Non-commercial joint-stock company «Kazakh National Agrarian Research University»

AGREED
LPP Agrofirma TZHN and K
B.Saikenov

2024



EDUCATIONAL PROGRAM

7M05204 -Ecology

Awarded degree: Master of Natural Sciences under the educational programme «code and name of educational programme» (scientific-pedagogical direction)

Discussed at the meeting of the Department «Soil s	cience, agricultural chemistry
and ecology» protocol № 6 from « 16 » 62 2024y.	
Head of the department Imacased Zh. Bakeno	ova
Considered at the meetings Academic committee of to protocol № 6 from « 30 » 01 2024y.	he Faculty «Agrobilogy»
Chairman of the AC of the faculty	G.Bayadilova
Reviewed by the Educational and Methodological Crecommended to the Academic Council protocol № ½ from « ②/ » _ ② ② 2024y.	
Chairman of the EMS of the University	A. Abdyrov
The educational program was approved at the meetin KazNARU protocol № \$ from « O/ » _ O 3 _ 2024y.	g of the Academic Council of
Developers:	
Dean of the Faculty	E.Abildaev
Head of the Department & Amarca	Zh. Bakenova
PhD, Senior Lecturer	E. Kuandykova
Master student CA	B.Sultanmuratkyzy
Graduate 2023	G.Gabdulmanapkyzy
Employers: LPP Agrofirma TZHN and K	B. Saikenov
Approved by:	
Head of the Educational Program Design Office	Zh. Kussainova

Zh. Kussainova

Application

For preparation of masters on the educational programme «Ecology» in the NJC «Kazakh National Agrarian Research University»

Regulatory documents:

«On Education» The Law of the Republic of Kazakhstan dated 27 July, 2007 No. 319-III;

Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 №2;

Classifier of training programs for personnel with higher and post-graduate education. Order of the Minister of Education and Science of the Republic of Kazakhstan of October 13, 2018 No. 569;

Standard Rules for the activities of educational organizations implementing educational programs of higher and (or) postgraduate education. Order of the Minister of Education and Science of the Republic of Kazakhstan of October 30, 2018 No. 595;

Rules of the organization of the educational process on credit technology of training. Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 12, 2018 No. 563;

Algorithm of inclusion and exclusion of educational programs in the Register of educational programs of higher and postgraduate education. Order of the Minister of Education and Science of the Republic of Kazakhstan No. 665 dated December 4, 2018;

Professional standard. Appendix No. 72 to the order of the Deputy Chairman of the Board of the National chamber of entrepreneurs of the Republic of Kazakhstan Atameken dated 11.12.2018 No. 339

Website: Atameken NPP https://atameken.kz/

Website: Adilet https://adilet.zan.kz/rus/docs/G23HN000591

$\begin{array}{c} \textbf{1. Passport of the educational program} \\ \textbf{7M05204-} \\ \text{«Ecology»} \end{array}$

Code and classification of the field of education	7M05-Science, mathematics and statistics
Code and classification of training areas	7M052-Environment
Code and name of the educational program	7M05204-Ecology
Type of educational program	Acting
The aim of the educational program	Training of competitive specialists who are able to formulate environmental problems in the course of solving professional, research and pedagogical activities, in the development of the agro-industrial complex industry, process the results obtained, analyze and understand the available literary data using modern information technologies
ISCED level	7
NQR level	7
SQF level	7
Application number to the license on the direction of staff training	KZ89LAA00031870 05 august 2021
Accreditation of the EP	Certificate № AB 3133 NAAR
Name of the accreditation agency	24.12.2020 -23.12.2025 year
Validity of accreditation	
Awarded academic degree	Master of natural sciences under the educational programme 7M05204 – «Ecology»
Learning outcomes List of qualifications and positions	Table 2 A graduate can carry out professional activities in the
	following areas: Occupational Safety Engineer Environmental engineer Lecturer on the protection of working conditions, the environment and emergency situations in higher education institutions Researcher at research organizations Specialist of state bodies for control and supervision of occupational safety and health, environmental protection, and emergency protection Head of the Environmental division, expert on integrated environmental assessment of territories
Field of professional activity	A graduate can carry out professional activities in the following areas: - Occupational Safety Engineer - Environmental engineer - Lectures on the protection of working conditions, the environment and emergency situations in higher educational institutions - Researcher in research organizations - Specialist of state bodies for control and supervision in the field of labor protection, environment and protection from emergency situations - Head of the Environmental Department, expert on
Sphere and object of professional activity	integrated environmental assessment of territories state and non-state higher education institutions; -research, development, production, expert, environmental, medical, pharmaceutical, agricultural institu-

	tions, state, local, regional, foreign organizations and enterprises engaged in environmental protection and protection of natural resources; - problems of modeling natural processes; - state bodies in the field of ecology and environmental protection; -environmental organizations, non-governmental environmental organizations of an ecological orientation; -scientific research institutes of environmental profile; - environmental laboratories
Functions of professional activity	Undergraduates study in depth the most important issues and achievements of modern ecology; environmental conditions of air, surface and groundwater, landscapes, soil quality; features of their spatial periodic distribution, taking into account the patterns of distribution of atmospheric impurities and physical and geographical environmental conditions; processes and phenomena occurring in living and inanimate nature.
Types of professional activity	scientific and pedagogical (pedagogical), methodological activities in educational organizations; - study of modern methods of teaching environmental disciplines; - development of scientifically based methods of professional development of employees at all levels; -monitoring of production and environmental indicators; - conducting scientific research; - organization of work on the assessment of workplaces and the safety of dangerous products - conducting research in the field of ecology; -Environmental monitoring and environmental monitoring;
Be competent	in the field of scientific research methodology; - in all sectors, including agriculture, in matters of innovative technical and technological production; - in the field of scientific and educational activities in educational organizations; - implements scientific projects and research in the professional field.

2. Learning outcomes at the OP

Codes	Learning outcomes
LO1	Demonstrate developing knowledge and understanding in the philosophy of science,
	psychology and pedagogy, conflict management in various situations for making
	managerial decisions
LO 2	To classify the main types of entrepreneurial activity and project management in the
	development and application of ideas in the context of research in an international
102	environment in English
LO 3	Apply knowledge and understanding at a professional level of scientific research
	methods and reliable facts based on observations, quality analyses in the field of
1.0.4	environmental management.
LO 4	Conduct experiments to evaluate new technologies to solve problems of environmental
	characteristics of the environment, study mathematical and statistical research methods to form judgments taking into account social, ethical and scientific considerations
LO 5	
LO 5	Identify information, ideas, conclusions, problems, solve the rational use of natural
LO 6	resources in agriculture and environmental forecasting To argue with normative legal acts in the field of life safety and environmental
LOU	protection related to the type and object of professional activity in a broader
	interdisciplinary context
LO 7	To master the training skills necessary in the study of environmental control, compliance
Lo /	with and compliance with the requirements of environmental legislation, to process in-
	formation using applied programs and databases for calculating technological parame-
	ters of equipment and monitoring of natural environments
LO 8	To recommend practical skills based on advanced knowledge of agroecology, to assess
	the principles of the object's impact on the environment and to carry out measures to
	reduce its impact, taking into account the ecological and economic interests of man
LO 9	To collect and interpret information to solve the quantitative and qualitative
	assessment of natural resources, environmental impact control (bioindication,
	biotesting, etc.)
LO 10	The training skills necessary for planning the main tasks and types of ecological and
	analytical monitoring in the field of environmental management and compliance with
	the environmental safety of the work carried out

3 Content of the educational program 7M05204- «Ecology»

No		ne		credits	Volume in hours		5			tributions by co				1		
	UC/OC	Code of Discipline	Name of the discipline, that forms the competences	In total in academic credits	academic rs	Classroom		Classroom Extracurric- ular			1 co	ourse	2 co	urse	Departent ¹	Form of control
		Code		In total ir	In total in academic hours	Lectures	Workshops	Other (practice)	SRMP	STM	1	2	3	4		For
Cl	BS		ндер циклы/ Цикл базовых vcle of basic subjects:	35	1050	105	215		210	520						
		жоғары білім Научная ко процесса обуч communication process in high														
1	BD/ UC	GTF/ IFN/ HAPOS 7201	Fылым тарихы мен философиясы/ История и философия науки/ History and Philosophy of Science	5	150	15	30		30	75	5				22	exam
2	BD/ UC	SHTK/ IYa/ FLP 7202	Шет тілі (кәсіби)/ Иностранный язык (профессиональный)/ Foreign Language (for specific purposes)	5	150	15	30		30	75	5				24	exam
3	BD/ UC	ZhMP/ PVSH/ TT 7203	Жоғары мектептің педагогикасы/ Педагогика высшей школы/ Ped- agogy of Higher education	5	150	15	30		30	75	5				18	exam
4	BD/ UC	BP/ PU/ POM 7204	Басқару психологиясы/ Психология управления/Psychology of Management	3	90	15	15		30	30		3			18	exam

5	UC	PP 7205	Педагогикалық практика/ Педагогическая практика/ Pedagogical practice	2	60		20		40		2		3	report
		Модуль 2 Проблемы окр problem	Қоршаған орта мәселелері/ ружающей среды/ Environmental											
6	BD/ OC	KOBAS/ OSSBR/ EACOBD 7206	Коршаған орта және биологиялық әртүрлілікті сақтау/ Окружающая среда и сохранение биологического разнообразия/ Environment and conservation of biogical diversity	5	150	15	30	30	75	5			3	exam
		TRTP/RIPR/R UONR 7206	Табиғи ресурстарды тиімді пайдалану/ Рациональное использование природных ресурсов/ Rational use of natural resources											
7	BD/ OC	EZM/ SPE/ MPOE 7207	Экологияның заманауи мәселелері/ Современные проблемы экологии/ Modern problems of ecology											
		BSHKTPZhT/ NTRIBSR/ NTFTRUOBA RM 7207	Биологиялық және шикізат қорларын тиімді пайдаланудың жаңа технологиялары/ Новые технологии рационального использования биологических и сырьевых ресурсов/ New technologies for the rational use of biological and raw materials	5	150	15	30	30	75	5			3	exam
8	BD/ OC	AEE/ ChEE/ HAEE 7208	Адам және экологиялық эпидемиология/ Человек и экологическая эпидемиология/ Human and environmental epidemiology	5	150	15	30	30	75	5			3	exam
		KOAFA- ZhBA/ MOVAFOS/ MFATIOAFO	Қоршаған ортаға антропогендік факторлардың әсерінің жағдайын бағалау әдістері/ Методы оценки воздействия антропогенных											

		TE 7208	факторов на окружающую среду/ Methods for assessing the impact of anthropogenic factors on the envi- ronment											
	CSD		ер циклі/ Цикл профилирующих e cycle of specialized disciplines	85	2250	120	575	240	1605					
		Модуль 3	Экономикадағы ғылыми											
		коммуникация												
			Научная коммуникация и проблемы											
		менеджмента в экономике/ Scientific communication and management of problems in												
		Economics	and management of problems in											
9	CD/	KSZhB/	Кәсіпкерлік саласындағы											
	UC	UPOP/	жобаларды басқару/ Управление											
		PMITFOE 7309	проектами в области	_	150	1.5	20	20	7.5	_			1.4	
			предпринимательства/ Project	5	150	15	30	30	75	5			14	exam
			management in the field of											
			entrepreneurship											
10	CD/	EGZA/MNIE/	Экологиядағы ғылыми											
	UC	MOSRIE 7310	зерттеулер әдіснамасы/											
			Методология научных	5	150	15	30	30	75	5			3	exam
			исследований в экологии/ Methodology of scientific research											
			in ecology											
11	CD/	ZP/IP/ RP 7311	Зерттеу практикасы/											
	UC		Исследовательская практика/ Re-	10	300		100		200	5		5		
			search practice											
12	CD/	BSHM/ MBR/	Бизнес шешімдерді модельдеу/											
	UC	MOBS 7313	Моделирование бизнес решений/	5	150	15	30	30	75		5		21	exam
10		X2 / G 501 /	Modeling of business solutions		1.70		20							
13	00	Kon/ Con 7314	1 0,	5	150	15	30	30	75		5		22	exam
	OC		ырақ –агрожүйелер базисі/ Базис											
		аgricultural sys	систем/ Basis of soil and											
14	CD/	AE/EA/	Агрожүйелер экологиясы/											
17	OC	EOAS	Экология агросистем/ Ecology of	6	180	15	45	30	90	6			3	exam
		7312	agricultural systems	-						-				

15	CD/ OC	EBNP/OPEK/ BPOEC 7312	Экологиялық бақылаудың негізгі принциптері/ Основные принципы экологического контроля/ Basic principles of environmental control										
13	OC OC	EM/EK/EC 7315	Топырак және қоршаған орта/ Почва и окружающая среда/ Soil and environment Экологиялық мәдениет/ Экологическая культура/ Environmental culture	6	180	15	45	30	90		6	3	exam
16	CD/ OC	KOHF/HFOS/ CAPOTE 7317 ZZhTED/ SZTED/ MGTAED 7317	Коршаған ортаның химиясы мен физикасы/ Химия и физика окружающей среды/ Environmental Chemistry and Physics Заманауи «Жасыл технологиялар» және экологиялық дизайн»/ Современные «Зеленые технологии и экологический дизайн»/ Modern «Green technology and environmental design»	6	180	15	45	30	90		6	3	exam
17	CD/ OC	EGZh/ GTE/ GTIE 7316 ANKOAB/ OVSOOS/ AOTEIOAF 7316	Экологиядағы геоақпараттық жүйелер/ Геоинформационные технологии в экологии/ Geoinformational technologies in ecology Ауылшаруашылық нысандарының қоршаған ортаға әсерін бағалау/ Оценка воздействия сельскохозяйственных объектов на окружающую среду/ Assessment of the impact of agricultural facilities on the environment	5	150	15	30	30	75		5		exam

Тағылымдамадан өту мен магистрлік диссертацияны орындауды қамтитын магистранттың ғылыми-зерттеу жұмысы (МҒЗЖ)/ Научно-исследовательская работа магистранта, включая прохождение стажировки и выполнение магистерской диссертации (НИРМ)/Research work of a master's student(RWMDS), including internship and completion of a master's thesis	24	720		120		600		4	3	17	3	report
Қорытынды аттестаттау/ Итоговая аттестация/ Final assessment												
Магистрлік диссертацияны рәсімдеу және қорғау (МДРҚ)/ Оформление и защита магистерской диссертации (ОиЗМД)/ Preparation and defence of Master's Thesis (PDMT)	8	240		80		160				8		PDMT
	120	3600	225	800	450	2125	30	30	30	30		

Appendix 1

Appen №		or / Kaharna
745		т / Кафедра
т	ҚАЗАҚ ТІЛІНДЕ	IN ENGLISH
I	Агробиология	Agrobiology
1	Агрономия, селекция және биотехноло- гия	Agronomy, breeding and biotechnology
2	Жеміс-көкөніс шаруашылығы, өсімдік қорғау және карантин	Horticulture, plant protection and quarantine
3	Топырақтану, агрохимия және экология	Soil science, agrochemistry and ecology
II	Ветеринария	Veterinary
4	Акушерлік, хирургия және	Obstetrics, Surgery and Reproductive Bio-
	өсіп-өну биотехнологиясы	technology
5	Биологиялық қауіпсіздік	Biosecurity
6	Клиникалық ветеринариялық медицина	Clinical Veterinary Medicine
7	Микробиология, вирусология және им-	Microbiology, virology and immunology
	мунология	
8	Ветеринариялық санитариялық сараптау	Veterinary sanitary examination and hygiene
	және гигиена	
9	<u>Н.У.Базанова атындағы «Физиология,</u>	"Physiology, morphology and biochemistry"
	морфология және биохимия»	named after N.U. Bazanova
III	Су, жер және орман ресурстары	Water, land and forest resources
10	Орман ресурстары, аңшылықтану және	Forest resources, hunting and fisheries
	балық шаруашылығы	
1	Жер ресурстары және кадастр	Land resources and cadastre
12	Су ресурстары және мелиорация	Water resources and melioration
IV	«Бизнес және құқық» жоғары мектебі	Higher School "Business and Law"
13	Есеп, аудит және қаржы	Accounting, audit and finance
14	Х.Д.Чурин атындағы «Менеджмент және	"Management and organization of agribusi-
	агробизнесті ұйымдастыру»	ness" named after H.D. Churin
15	Құқық	Right
V	Зооинженерия және тағам өндірісінің технологиясы	Zooengineering and food production tech- nology
16	Зооинженерия	Zooengineering
17	Тағам өнімдерінің технологиясы және	Technology and food safety
X 7 T	қауіпсіздігі	D. '
VI	Инженерлік-техникалық	Engineering
18	Аграрлық техника және механикалық инженерия	Agricultural machinery and mechanical engineering
19	И.В.Сахаров атындағы «Машина пайда-	"Machine use" named after I.V. Sakharov
	лану»	
20	Энергия үнемдеу және автоматика	Energy saving and automation
21	ІТ-технологиялар және автоматтандыру	IT technologies and automation
VII	Басқарма Төрағасы - Ректордың орынбасары	Deputy Chairman of the Board- Rector
22	Жалпы білім беру пәндер	General university department
23	Дене тәрбиесі және спорт	Physical education and sports
24	Әскери кафедра	Military department
∠+	Госкори кафодра	wintary acparation

Code	MODULE	General educational	Learning outcomes
		competencies	
CC1	MODULE 1 Scientific communication	formulation and solution of problems arising in scientific research activities and requiring in-	be able to demonstrate the knowledge and concepts being developed in the field of
	and organization	depth professional knowledge;	philosophy of science,
	of the learning	- application of methodological and	psychology and pedagogy,
	process in higher education	practical knowledge in scientific research, pedagogical, educational	conflictology in various situations for making managerial
	cuucation	work;	decisions.
		- write scientific articles, abstracts,	Classification of the main types
		speak at conferences, symposiums.	of entrepreneurial activity and
		- work with lexicographic sources	project management in the
		in a foreign language (traditional	development and application of
		and on-line) solving the problems of higher	ideas in the context of research in an international environment
		pedagogical education and	in English.
		prospects for its further	m English
		development;	
		- solving specific psychological and	
		pedagogical problems, evaluating the results achieved;	
		- formation of students' needs for	
		knowledge and skills of a	
		managerial nature and	
		professionally significant qualities	
		of future specialists;	
		- the use of personality research methods;	
		- practical use of the acquired	
		psychological knowledge in various	
		management situations.	
CC2	MODULE 2	- the possibility of planning and	The application of scientific
	Environmental	implementing measures taking into	research methods and reliable
	problem	account the peculiarities of flora and fauna protection, conservation	facts in knowledge and understanding at a professional
		of ecosystem biodiversity, rational	level based on observations in
		use and restoration of biological	the field of environmental
		resources	protection, quality analysis.
		- environmental factors and risk	Identification of information,
		assessment for the population, the	ideas, conclusions, problems,
		relationship and dependence of diseases of the population on the	solving the rational use of natural resources in agriculture
		state of the environment and health	and forecasting the state of the
		risks	environment.
		- study and evaluation of methods	Acquisition of the necessary
		of general assessment, comparison,	training skills in the study of
		and analysis of the quality of various environmental components.	environmental control, compliance with and compliance
		- analysis of changes related to the	with the requirements of
		realization of economic, military,	environmental legislation,
		tourist and recreational, cultural	information processing using
		and other human interests affecting	application programs and
		physical, chemical, biological and	databases for calculating

		other changes in the environment.	technological parameters of equipment and monitoring the natural environment. Argumentation by normative legal acts in the field of life safety and environmental protection related to the type and object of professional activity in a broader interdisciplinary context.
CC3	MODULE 3 Scientific communication and management of problems in Economics	 the use of basic methods and technologies for conflict prevention and resolution; application of the principles of analysis and management of organizational conflicts; possess various methods of conflict resolution based on modern personnel management technologies. analyze the technological system using modern methods of mathematical modeling, independently organize and conduct scientific research. planning experiments and choosing modern research methods to solve urgent problems of environmental science, environmental protection, agroecosystem problems and technology development to produce environmentally friendly products 	Be able to demonstrate the knowledge and concepts being developed in the field of philosophy of science, psychology and pedagogy, conflictology in various situations for making managerial decisions. Conducting experiments to evaluate new technologies to solve problems of environmental characteristics of the environment, studying mathematical and statistical methods of analysis to form judgments taking into account social, ethical and scientific considerations.
CC4	MODULE 4 Basis of soil and agricultural systems	with material reliability -a method for determining effective conditions for the sustainable development of the agro-ecological and economic system; - in the field of land reclamation and reclamation in solving problems of rational nature management and environmental management in the field of reducing anthropogenic impact on the environment in monitoring natural and man-made systems, strategies for environmental protection; - the possibility of analyzing, optimizing and applying modern information technologies in solving scientific problems, conducting environmental expertise,	Presentation of practical skills based on advanced knowledge of agroecology, assessment of the principles of the object's impact on the environment and carrying out measures to reduce its impact, taking into account the ecological and economic interests of man. The collection and interpretation of information to solve the quantitative and qualitative assessment of natural resources, environmental impact control (bioindication, biotesting, etc.). Planning of the main tasks and types of ecological and analytical monitoring in the field of ecology and nature

environmental audit.

management,

as well

		monitoring	compliance	with
		environment	al safety of the	work
		carried out		

5. Summary table showing the volume of loans disbursed by modular educational program:

		Nun	nber o	of subje died	ects	Nı	ımber (of academ	ic cred	its		.	N	umber
ourse	er	CS	C	MS	SC		ctice	ice				ademi s		
Training course	Semester	UK	ОР	UK	ОР	Theoretical training	Pedagogical practice	Research practice	NIRM	Total certification	Total	Total in academic hours	Exam	umber 1 2 2 1
I	1	3	3	-	-	28			2		30	900	6	1
	2	1	-	1	1	22	3	3	2		30	900	3	2
	3	ı	-	2	3	25		3	2		30	900	5	2
II	4	-	-					4	18	8	30	900	-	1
Subt	otal	4	3	3	4	75	3	10	24	8	90	3600	14	6

Information about the disciplines

T.C	NI	Information about the disciplines	NTI.	TO		
№	Name of the	A brief description of the discipline	Number	Emerging		
	disciplines	(30-50 words)	of credits	competen		
				cies		
				(code)		
	Cycle of basic disciplines / University component					
1	History and Philoso-	Forms a culture of scientific thinking in students,	5	CC 1		
	phy of Science	develops analytical skills and research skills, provides		PO1		
		theoretical and practical knowledge necessary for a				
		future scientist. It is important in an era of increasing				
		urgent need for science and scientists. Introduces the				
		phenom-enon of science as a subject of special				
		philosophical analysis into the prob-lematics, forms				
		knowledge about the history and theory of science;				
		about the laws of development of science and the				
		structure of scientific knowledge; about science as a				
		profession and social institution; on the methods of				
		conduct-ing scientific research; on the role of science				
		in the development of society				
2	Foreign Language (for		5	CC 1		
	specific purposes	ing of communicative competence within the frame-		PO2		
		work of international standards of foreign language				
		education based on the further development of skills				
		and abilities of active command of English in the pro-				
		fessional activities of the future Master of Science.				
		Development of master's skills:- reading literature in				
		English in the specialty for receiving and transmitting				
		scientific information; - registration of the extracted				
		information in the form of translations, annotations,				
		abstracts;- conducting conversations in English on top-				
		ics related to the specialty and scientific work of the				
		undergraduate.				
3	Pedagogy of Higher		5	CC 1		
3	education education	istracy. This course examines pedagogical science and		PO 1		
	cudeation	its place in the system of human sciences, the modern		101		
		paradigm of education, the system of higher education				
		in Kazakhstan, education and the formation of the per-				
		sonality of a specialist, and management in education.				
4	Psychology of		3	CC 1		
4	Management	structure of management psychology, methods of psy-		PO 1		
	Management	chological research and basic approaches to its study.		PO 1		
		Examines the psychology of the subject of manage-				
		ment, the psychology of cognitive activity, perceptual,				
		mne-mic, thought processes in management. The				
		course forms ideas about etiquette in the activity of a				
		modern business person, communicative competence				
		of a manager, emotional and volitional states in man-				
		agement activities and ability to manage activities				
		Cycle of basic disciplines /Elective component	T			
5	Environment and	The purpose of mastering the discipline is to master				
	conservation of	the scientific foundations of the study and assessment		CC 2		
	biological diversity	of biological diversity, the fundamental principles of		PO 3,6,9		
		conservation of biological diversity from the point of				

	T			
		view of sustainable development of territories, the principles of conducting monitoring studies on the sustainability of ecosystems and the conservation of biological diversity; concepts and problems of conservation and sustainable use of components of biological diversity.		
	Rational use of natural resources	Studies the current state and prospects of the use of natural resources and renewable resources on the basis of international programs of resource-saving technologies. They master modern environmental problems, methods of rational use of soils and land resources. In addressing the issues of rational use of an ecological lifestyle, educational models on the international legal mechanism of environmental protection and environmental aspects of sustainable human development are considered	5	CC 2 PO 5,6,9
6	Modern problems of ecology	The objectives of the discipline are the formation of systematic ecological thinking among undergraduates, which provides an integrated approach to the analysis of modern environmental problems, as well as the development of creative abilities of undergraduates, the formation of a scientific worldview necessary for a specialist to navigate in the modern world. The model of the relationship between man and the environment is considered. He studies population growth, the development of new lands, the aggravation of relations between nature and society in the use of natural resources, environmental crises.		CC 2 PO 5,8,9
	New technologies for the rational use of biological and raw materials	Develops new technologies for the effective use of biological and raw materials resources in deepening theoretical and practical knowledge of natural sciences. He gets acquainted with the main directions of using the biological resources of the biosphere. Processing of plant and animal products and evaluating natural resources. Studies the purification of raw materials, the use of biotechnology, and the conservation of biological resources.	5	CC2 PO 5,7,10
7	Human and environmental epidemiology	This course is based on modern ideas about the main directions of epidemiological research, about the peculiarities of the epidemic process, factors contributing to the emergence and spread of various diseases. The course examines the main methods of ecological and epidemiological research and risk assessment of the impact of adverse environmental factors on public health; features of human interaction with the environment, the basics of hygienic rationing of factors affecting human health; environmental factors and risk assessment for the population.	5	CC 2 PO 4,6,8
	Methods for assessing the impact of anthropogenic factors on the environment	Mastering the discipline, ideas about the current state		CC 2 PO 4,8,9

9 N	Project management	sis of the quality of various environmental components related to the realization of economic, tourist and recreational, cultural and other human interests that affect physical, chemical, biological and other changes in the environment. Cycle of core disciplines / university component The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific research in natural field conditions are described.	5	CC 3 PO1,2 CC 3 PO 3,4
9 N	Project management of the field of entrepreneurship Methodology of cientific research in	reational, cultural and other human interests that affect physical, chemical, biological and other changes in the environment. Cycle of core disciplines / university component The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2 CC 3
9 N	Project management of the field of entrepreneurship Methodology of cientific research in	physical, chemical, biological and other changes in the environment. Cycle of core disciplines / university component The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2 CC 3
9 N	Project management of the field of entrepreneurship Methodology of cientific research in	environment. Cycle of core disciplines / university component The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2
9 N	Project management of the field of entrepreneurship Methodology of cientific research in	The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2
9 N	Project management of the field of entrepreneurship Methodology of cientific research in	The history of the development of pro-ject management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2
9 N	n the field of entrepreneurship Methodology of cientific research in	management methods; methodo-logical approaches to decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific		PO1,2
9 N	Methodology of cientific research in	decision-making on the development of a project concept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	CC 3
9 N	Methodology of cientific research in	cept, its structuring and evaluation; mastering the role of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	of the project man-ager at various stages of the project life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	life cycle; introduces the organizational forms of project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	project management and methods of their development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	development and op-timization. Training of students in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	in the system of the sphere of the agro-industrial complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	complex in market condi-tions. He forms economic thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	thinking, en-trepreneurial abilities, the ability to find your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	your market niche, open your own business, organize and effectively manage your own enterprise. The methodological foundations of cognition and lev- els of research, principles and features of scientific	5	
se	cientific research in	and effectively manage your own enterprise. The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	The methodological foundations of cognition and levels of research, principles and features of scientific	5	
se	cientific research in	els of research, principles and features of scientific	5	
e	cology	research in natural field conditions are described.		FU 3,4
		Stages of implementation, elements of methodology,		
		planning and selection of research directions, formula-		
		tion of scientific and technical problems, conducting		
		theoretical and experimental research and registration of results in environmental areas. It is intended for the		
		formation of skills in cognitive and creative activities		
		in solving problems of environmental science in envi- ronmental protection, ecosystems, populations, aggre-		
		gates and evolutionary structures, and the development		
		of technology for obtaining environmentally friendly		
		products with mathematical certainty.		
10 N	Modeling of business	Familiarizes with the decision-making process, starting	5	CC 3
	olutions	from the formalization of the initial problem, through	3	PO 1,2
30	olutions	the construction and solution of a mathematical model		101,2
		on a computer to the analysis of the solution and the		
		formation of a management decision. Considers pro-		
		duction, transport and financial models of tasks for		
		choosing management solutions. Develops skills for		
		building and solving mathematical models and analyz-		
		ing these solutions on a computer.		
11 C	Conflictology	The discipline considers the main cate-gories of	5	CC 3
	connectorogy	conflictology, typology of the conflicts, technologies	3	PO1
		of management of the conflicts. Studies the theory of		
		behavior of the personality in the con-flict,		
		technologies of effective commu-nication and rational		
		behavior in the conflict. Forms idea of psychology of		
		negotiation process on resolution of conflicts.		
		Cycle of core disciplines /Component of choice		<u> </u>
12 E	Ecology of	The purpose of mastering the discipline is the for-		CC 4
	gricultural systems	mation of skills for the rational use of the potential of		PO 5,8,10
	,	soil, plants and animals in the production of agricul-		

13	Basic principles of	tural products, as well as the development of methods of greening and measures to combat negative impacts on them and the rational use of soil fertility to create optimal conditions for the sustainable development of agricultural production. The development of the discipline determines the		CC 4
	environmental control	study of the activities of state bodies, local governments, enterprises and citizens in compliance with environmental norms and rules. A scientifically based combination of environmental, economic and social interests of man, society and the state in order to ensure sustainable development and a favorable environment; protection, reproduction and rational use of natural resources as necessary conditions for ensuring a favorable environment and environmental safety.	6	PO 5,7,9,10
14	Soil and environment	The purpose of mastering the discipline is to spread fundamental knowledge about spatial phenomena, processes and the relationship between soil and the		CC 4 PO 8,9,10
		environment, as the main biological body of the planet, which is the physical basis of territorial natural and socio-economic systems. The soil is considered as a model of the relationship between the environment and man in the biosphere. It reveals knowledge about the ecological patterns of soil formation, effective fertility, about the ecological functions of soils and analyzes the main indicators of the ecological properties of the soil, mastering the methodology for assessing soil fertility.	6	
	Environmental culture	To form undergraduates' understanding of the value of natural and cultural heritage as the basis of spiritual and intellectual potential and prepare them for further scientific, scientific, practical and project activities in the field of studying, preserving, natural and historical and cultural heritage and including it in modern culture. To master the system, formal and personal moral and ethical norms, views, values related to the relationship of man with nature and society.		CC4 PO 3,4
15	Environmental Chemistry and Physics	Formation of systemic knowledge that is necessary when considering the physico-chemical essence and mechanisms of processes occurring in nature, about the direction of chemical processes, their speed and the structure of matter; study of migration and transformation of chemical compounds of natural and anthropogenic origin in the atmosphere, lithosphere and hydrosphere; allowing solving problems related to physico-chemical processes, occurring with the participation of abiotic factors in various	6	CC 4 PO 7,8,9
	Modern «Green	geospheres.абиотических факторов в различных геосферах. The purpose of mastering the discipline is to form		CC 4
	technology and environmental design»	undergraduates' understanding of the theoretical foundations and applied aspects of environmental design – a scientific direction striving to implement		PO 4,6,7

		the convergence of the requirements of the natural environment and culture in the designed objects, which necessitates taking into account the values achieved by previous generations of people in the field of human-nature relations. The ways of using ecological design in the design of cities, industrial facilities and other infrastructures are considered. Studies the impact of energy on the environment, the impact of the mining industry on the environment, and ways of greening it.		
16	Geoinformational technologies in ecology	The development of the discipline is theoretical and practical training in the field of GIS technologies using a popular package of application programs, in the development of data models, the formation and editing of objects in geodata databases, as well as when using geodata databases and other data sources in real spatial analysis projects. The presentation of data and the accuracy and justification of the creation of geo-ecological forecasts of regional geoinformation systems. Features of the properties of geo-ecological information, cartographic aspects and research of geoinformation methodology.	5	CC 4 PO 5,7,9,10
	Assessment of the environmental impact of agricultural facilities	Mastering the discipline is necessary for any types of economic and other activities that may have a direct or indirect impact on the environment and public health. The purpose is to determine the nature and degree of danger of potential impacts, project implementation and assessment of the environmental consequences of project decisions; to possess methods of assessing the impact of various types of activities on the environment, to know regulatory documents, principles of environmental expertise, environmental audit.		CC 4 PO 7,8,9

Practice bases

№	Name of companies, enterprises, organizations								
1	RSI "Il of agric	e-Alatau state national natural Park" Of the C	ommittee of forestry and wildlife of the Ministry						
2	Department of agrochemical, soil surveys and complex survey work – branch of NSS State Corporation "Government for citizens in Almaty»								
3	RSE on PVC "Institute of botany and Phytointroduction" SC MES RK								
4	"Repub	plican state institution "Department of ecology	of Karag ¹ Ескертпе:						
	No	Факульт	ет / Кафедра						
		ҚАЗАҚ ТІЛІНДЕ	ОРЫС ТІЛІНДЕ						
	Ι	Агробиология	Агробиология						
	1	Агрономия, селекция және биотехнология	Агрономия, селекция и биотехнология						
	2	Жеміс-көкөніс шаруашылығы, өсімдік қорғау және карантин	Плодоовощеводство, защита растений и карантин						
	3	Топырақтану, агрохимия және экология	Почвоведение, агрохимия и экология						
	II	Ветеринария	Ветеринария						
	4	Акушерлік, хирургия және	Акушерство, хирургия и биотехнология						
		өсіп-өну биотехнологиясы	воспроизводства						
	5	Биологиялық қауіпсіздік	Биологическая безопасность						
	6	Клиникалық ветеринариялық медицина	Клиническая ветеринарная медицина						
	7	Микробиология, вирусология және иммунология	Микробиология, вирусология и иммунология						
	8	Ветеринариялық санитариялық	Ветеринарная санитарная экспертиза и						
		сараптау және гигиена	гигиена						
	9	Н.У.Базанова атындағы «Физиология, морфология және биохимия»	«Физиология, морфология и биохимия» имени Н.У.Базановой						
	III	Су, жер және орман ресурстары	Водные, земельные и лесные ресурсы						
	10	Орман ресурстары, аңшылықтану және	Лесные ресурсы, охотоведение и рыбное						
		балық шаруашылығы	хозяйство						
	11	Жер ресурстары және кадастр	Земельные ресурсы и кадастр						
	12	Су ресурстары және мелиорация	Водные ресурсы и мелиорация						
	IV	«Бизнес және құқық» жоғары мектебі	Высшая школа «Бизнес и право»						
	13	Есеп, аудит және қаржы	Учет, аудит и финансы						
	14	Х.Д.Чурин атындағы «Менеджмент және агробизнесті ұйымдастыру»	«Менеджмент и организация агробизнеса» имени Х.Д.Чурина						
	15	Құқық	Право						
	V	Зооинженерия және тағам өндірісінің	Зооинженерия и технология пищевых						
	'	технологиясы	производств						
	16	Зооинженерия	Зооинженерия						
	17	Тағам өнімдерінің технологиясы және қауіпсіздігі	Технология и безопасность пищевых продуктов						
	VI	Инженерлік-техникалық	Инженерно-технический						
	18	Аграрлық техника және механикалық инженерия	Аграрная техника и механическая инженерия						
	10	И.В.Сахаров атындағы «Машина	«Машиноиспользование»						
	19	-	имени И.В.Сахарова						
	20	пайдалану» Энергия үнемдеу және автоматика	имени И.В.Сахарова Энергосбережение и автоматика						

	VII	Басқарма Төрағасы - Ректордың	Заместитель Председателя Правления -				
	VII	Басқарма Төрағасы - Ректордың орынбасары	Ректора				
	22	Жалпы білім беру пәндер	Общеобразовательные дисциплины				
	23	Дене тәрбиесі және спорт	Физическое воспитание и спорт				
	24	Оскери кафедра	Военная кафедра				
		откори кифодри	Востия кифедри				
5	"Seismological experimental-methodical expedition" LLP						
6	JSC "N	Management company Special Economic					
7	"Dieno	sal of medical waste» TOO					
,	(Dispo	sai of medical waster 100					
8	RSU "	Charyn state national natural Park»					
9	VCII "	Shardara state institution for the protection of	forests and wildlifess				
9	KSU ,	Shardara state histitution for the protection of	forests and whathey				
10	LLP «€	ЭзенМұнайСервис»					
11	LLP "Agromarket»						
12	Too "Tynys Ecolo						
13	SI "Shalkar district Department of land relations»						
	Si Shaikai district Department of fand felations//						
14	SE "Department of ecology in Almaty of the Committee of environmental regulation, control and						
	state in	spection in the oil and gas complex of the Min	nistry of energy" of Kazakhstan				
15			anagement of natural resources and environmen-				
	tal man	nagement					

СЫН ПІКІР

7M05204- «Экология» білім беру бағдарламасына

Рецензияланатын білім беру бағдарламасы Қазақстан Республикасының Заңына сәйкес әзірленген құжаттар жүйесі болып табылады.

7М05204-«Экология» білім беру бағдарламасының мақсаты кәсіби, ғылымизерттеу және педагогикалық қызметті шешу барысында, АӨК саласын дамытуда қоршаған ортаның міндеттерін тұжырымдауға, алынған нәтижелерді өңдеуге, қазіргі заманғы ақпараттық технологияларды пайдалана отырып, қолда бар әдеби деректерді талдауға және түсінуге қабілетті бәсекеге қабілетті мамандарды даярлау.

Осы мақсаттарды шешу үшін кафедрада 7М05204- «Экология» модульдік білім беру бағдарламасы әзірленді. Оқу жоспарында құзыреттілікті қалыптастыруды қамтамасыз ететін модульдерді меңгеру реті көрсетіледі. Білім беру

бағдарламасының жалпы көлемі -120 кредит.

Гылыми-педагогикалық бағыттағы бітірушілердің кәсіби кызметінің объектілері: мемлекеттік және мемлекеттік емес жоғары оқу орындарының; қоршаған ортаны қорғау және табиғи ресурстарды қорғауды жүзеге асыратын ғылыми-зерттеу, тәжірибелік-конструкторлық, өндірістік, сараптамалық, экологиялық, медициналық, фармацевтикалық, аграрлық мекемелер, мемлекеттік, жергілікті, өңірлік, шетелдік ұйымдар мен кәсіпорындар; табиғи процестерді модельдеу мәселелері; жобаларды экологиялық сараптау; қоршаған ортаға әсерді бағалау; кәсіпорындардың экологиялық аудиті; экология, қоршаған ортаны қорғау саласындағы мемлекеттік органдар; табиғат қорғау ұйымдары, экологиялық бағыттағы үкіметтік емес экологиялық ұйымдар; -экологиялық бейінді ғылыми-зерттеу институттары; экологиялық бағыттағы зертханалық зертханалар

Бағдарламаға экология саласында мамандар дайындау үшін қажетті пәндер енгізілген және кәсіби қызмет дағдыларын қамтамасыз етеді. Жұмыс беруші кәсіптік қызмет түрлерін және білім беру бағдарламасы бойынша бітірушінің құзыреттілігін анықтауға белсенді қатысады. Модульдік білім беру бағдарламасын әзірлеу үшін аграрлық сектор саласындағы пәндермен толықтыру қажет.

Сонымен қатар, келесі пәндерді енгізуді ұсынамыз: «Топырақ және қоршаған орта», «Ауылшаруашылық нысандарының қоршаған ортаға әсерін бағалау», «Экологиялық бақылау принциптері», «Табиғи ресурстарды тиімді пайдалану».

Жалпы, әзірленген білім беру бағдарламасы экологтың кәсіби қызметінің міндеттеріне сәйкес келеді, 7М05204- «Экология» білім беру бағдарламасы бойынша сапалы кәсіби дағдыларды алуды қамтамасыз етеді.

«ТЖН и К Агрофирмасы» ЖШС директоры



Сайкенов Б.Р.

ҚАЗАҚ ҰЛТТЫҚ АГРАРЛЫҚ ЗЕРТТЕУ УНИВЕРСИТЕТІ АГРОБИОЛОГИЯ ФАКУЛЬТЕТІ ТОПЫРАҚТАНУ, АГРОХИМИЯ ЖӘНЕ ЭКОЛОГИЯ КАФЕДРАСЫ

№ 6 XATTAMAСЫНАН КӨШІРМЕ

Алматы қаласы

16 қаңтар 2024 жыл

Топырақтану, агрохимия және экология кафедра мәжілісінің отырысы

Төрайымы - Ж.Бакенова Хатшы - Э. Куандыкова

Қатысқандар: 18 адам

КҮН ТӘРТІБІ:

1.2024-2028 оку жылына арналған 6В05201-«Экология», 2024-2026 оку жылы 7М05204-«Экология», 2024-2027 оку жылына арналған 8D05204-«Экология» білім беру бағдарламаларын талқылау, бекіту.

тындалды:

Кафедра меңгерушісі Ж. Бакенова 2024-2028 оку жылына арналған 6В05201-«Экология», 2024-2026 оку жылы 7М05204-«Экология», 2024-2027 оку жылына арналған 8D05204-«Экология» білім беру бағдарламалары туралы талқылады.

СӨЗ СӨЙЛЕГЕНДЕР:

Профессор Махамедова Б.Ж. кафедрада 2024-2028 оку жылына білім беру бағдарламасы профессор-оқытушылар және жұмыс берушілермен қоса дайындалды. Білім беру бағдарламасы 3- тілде жасалынды және білім алушыларға, қазіргі заман талабына сай академиялық дәрежесінде білім беруге бағытталған білім беру бағдарламасы.

СӨЗ СӨЙЛЕГЕНДЕР:

Жұмыс берушілер: Сайкенов Б. (ЖШС «ТЖН и К Агрофирмасы») бағдарламаға экология саласында мамандар дайындау үшін қажетті пәндер енгізілген және кәсіби қызмет дағдыларын қамтамасыз етеді. Айта кету керек, жұмыс беруші кәсіптік қызмет түрлерін және білім беру саласындағы бітірушінің құзыреттілігін анықтауға белсенді қатысады. Ұсыныс ретінде «Экологиялық қауіпсіздік», Бұзылған экожүйелерді қалпына келтіру, «Агроландшафтар экологиясы» пәндерін ұсынуға болады.

СӨЗ СӨЙЛЕГЕНДЕР:

PhD, аға оқытушы Э. Куандыкова 2024-2026 оқу жылы 7М05204-«Экология», 2024-2027 оқу жылына арналған 8D05204-«Экология» білім беру бағдарламаларында академиялық кредиттерінде өзгертулер енгізілгені туралы атап өтті. Білім беру бағдарламалары заман талабына сай жасалынып жатқандығы және жұмыс берушілердің ұсыныстары ескерілгенін айтты.

СӨЗ СӨЙЛЕГЕНДЕР:

Кафедра меңгерушісі Ж. Бакенова 2024-2028 оқу жылына арналған 6В05201-«Экология», 2024-2026 оқу жылы 7М05204-«Экология», 2024-2027 оқу жылына арналған 8D05204-«Экология» білім беру бағдарламалары кафедра отырысында қарастырылып, бекітуге ұсынылды. Кафедра профессор-оқытушылары бірауыздан колдады.

КАУЛЫ ЕТТІ:

2024-2028 оку жылына арналған 6В05201-«Экология», 2024-2026 оку жылы 7M05204-«Экология», 2024-2027 оку жылына арналған 8D05204-«Экология» білім беру бағдарламалары мақұлданып, «Агробиология» факультетінің Академиялық комитетіне ұсынылсын.

Төрайымы: *Уэпассеес*я— Хатшы:

Ж. Бакенова

Э. Куандыкова

ҚАЗАҚ ҰЛТТЫҚ АГРАРЛЫҚ ЗЕРТТЕУ УНИВЕРСИТЕТІ

Коммерциялық емес акционерлік қоғамы «Агробиология » факультетінін Академиялық комитеті мәжілісінің

№ 6 ХАТТАМАСЫНАН КӨШІРМЕ

Алматы каласы

30 қаңтар 2024 жыл

ҚАТЫСҚАНДАР:

Төрайымы - Г. Баядилова

Хатшы - А. Ешенгалиева

Қатысқандар: 9 адам

Е. Жанбырбаев

М. Есеналиева

Ж. Бакенова

К. Караева

Ж. Сагидолдина

Э. Куандыкова

Г. Байсентова

КҮН ТӘРТІБІ:

1. «Агробиология» факультетінің 2024-2028 оқу жылына арналған білім беру бағдарламаларын талқылау, бекіту

ТЫҢДАЛДЫ:

Факультеттің Академиялық комитетінің төрайымы Г. Баядилова және Академиялық комитеттің мүшелері, 2024-2028 оқу жылына арналған 6В05201-«Экология», 2024-2026 оку жылы 7М05204-«Экология», 2024-2027 оку жылына арналған 8D05204-«Экология» білім беру бағдарламаларын талқылау.

СӨЗ СӨЙЛЕГЕНДЕР:

Факультеттің Академиялық комитетінің төрайымы Г. Баядилова, сөз кезегін

Академиялық комитеті отырысының мүшесі Э. Куандыковаға берді.

Академиялық комитет мүшесі Э. Куандыкова өз сөзінде 2024-2028 оқу жылына арналған 6B05201-«Экология», 2024-2026 оқу жылы 7M05204-«Экология», 2024-2027 оку жылына арналған 8D05204-«Экология» білім беру бағдарламалары кафедрада қаралып, жұмыс берушілермен бірігіп дайындалғаны туралы атап өтті. Білім беру бағдарламалары қазіргі заман талабына сай академиялық дәрежесінде білім беруге бағытталған пәндермен толықтырылған.

Білім багдарламасына МЖМББС ЖБП міндетті пәндер сай компоненттеріне өзгерістер жасалынып, БП, КП циклінің таңдау пәндеріне заман талабына байланысты толықтырулар жасалынды. Жаңа оқу бағдарламасына сай кейбір пәндер жаңартылды. Аталған оқу бағдарламалары жұмыс берушілермен келісілген.

Корыта келгенде 6В05201-«Экология», 7М05204-«Экология», «Экология» білім беру бағдарламалары білім алушыларды сапалы дайындауға бағытталған. Білім беру бағдарламаларын жан-жақты қаралып енгізілген және кафедра отырысында қорытындыланған.

ҚАУЛЫ ЕТТІ:

2024-2028 оқу жылына арналған 6В05201-«Экология», 2024-2026 оқу жылы 7М05204-«Экология», 2024-2027 оқу жылына арналған 8D05204-«Экология» білім беру бағдарламалары факультеттің Академиялық комитеті комиссиясының ұйғарымымен бір ауыздан бекітілсін.

Дайындалған білім беру бағдарламасы Университтеттің оку-әдістемелік Кеңесінде қарастыру үшін «Агробиология» факультетінің Кеңесіне жіберілсін.

Төрайымы:

Г. Баядилова

Хатшы: А. Ешенгалиева

Beek.