CABINET OF MINISTERS OF UKRAINE NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES UKRAINE

EDUCATION PLANE

training specialists since 2013 year

Educational and qualification level "Master"

Branch of knowledge 0901 "Agriculture and forestry"

Specialty 8.09010102 "Agrochemistry and soil science"

Specialization Production oriented disciplines

Master program "Soil Science, monitoring of soil quality and soil conservation", "Agrochemical

service modern technologies in crop productivity"

Specialization Research oriented disciplines

Master program "Conservation and Increasing of quality of land through the use of local resources

and minimizing of soil tillage", "Perfection the diagnosis of nitrogen nutrition of

crops and their fertilizer"

Form of training full-time
Term of study 1,5 years

Qualification of graduates researcher in agrochemistry and soil science

Implement a master's program

SRI institute of plant sciences, ecology and biotechnologies

Faculty agrobiology

Departments Agricultural Chemistry and Agricultural Production Quality named after

O.I. Dushechkin, Soil Science and Soil Protection named after Professor V.I. Shykula

I. TRAINING PROCESS SCHEDULE

a) training specialists EQL "Master" since 2013 year specialty 8.09010102 "Agrochemistry and soil science"

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6) training specialists EQL "Master" since 2012 year specialty 8.09010102 "Agrochemistry and soil science"

_										2	2013	year	r																							20	14 y	ear														
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Legend:

	_	theoretical training	X	-	industrial practice
:	-	examination period	II	-	writing of master's thesis
-	-	vacation	//	-	state certification (defense of master's thesis)

II. PLAN OF THE EDUCATIONAL PROCESS

		The to			s of kno		Au	udienc (ho	e lesso	ns			work rience		ibution of h	ours per week
				Contr	or (by ser	incster)			cludin	σ		СХРС	lence		r of study	2 year study
		ä	ts			t)				<u>s </u>	rk			1s.	2s.	3s.
		f þ	edi			jec				S	M M	tice	ice			per semester
№	Subjects	The total number of hours	The number of credits	Exam	Test	Coursework (project)	Total	Lectures	Lab works	Practical lessons	Independent work	Industrial practice	Research practice	17	17	10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	T					TORY A										
					ycle of h	umanitar				omic		k I			1	1
1	Labor protection in industry	72	2	e			34	17	17		38			2		
2	Business foreign language	72	2	e			34	4.0	34		38			2		
4	Civil protection	36	1		t		10	10			26					1
3	Philosophy of science and innovative development	108	3	e			34	17		17	74			2		
4	Geographic information systems of agricultural landscape and basics of geostatistics	72	2		t		34	17	17		38				2	
Tot	tal number	360	10	3	2		146	61	68	17	214			6	2	1
				1.2.	The cyc	le of prof	ession	al and	practi	cal tra	ining*					
1	Management of soil regimes	108	3		t		34	17	17		74				2	
2	Soil conservation and restoration of fertility	216	6	e	t	CW	85	34	51		131			3	2	
3	Soil quality, standardization and product certification	180	5	e			68	34	34		112			4		
4	Management of nutritive conditions of crops in drop irrigation in greenhouses	144	4		t	CW	34	17	17		110			2		
5	Agrochemical service	144	4	e	t	CW	64	27	37		80				2	3
6	Management by crop production quality	108	3		t		34	17	17		74				2	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
7	Environmental chemistry	72	2		t		30	10	20		42					3
8	Technologies of rational land use	108	3	e			34	17	17		74				2	
9	The strategies of agrocenosys management	144	4	e			51	34	17		93			3		
	al number	1224	34	5	6	3	434	207	227	0	790			12	10	6
Tot	al according to regulatory part	1584	44	8	8		580	268	295	17	1004			18	12	7
						CTIVE A					ES					
						Production										
						Disciplin										
			ı	2.1	.1. Cycl	e of profe	ssional	l and p	ractic	al trai	ning*	ı	ı			
1	Programming of soil fertility and crop production	216	6	e			30	10	20		186					3
2	Methodology of scientific researches	180	5		t		34	17	17		146				2	
3	The models of the technological management in agrochemical service	216	6	e			34	17	17		182				2	
4	Land reclamation	216	6	e			34	17	17		182				2	
Tot	al amount according the University se	828	23	3	1	1	132	61	71	0	696			0	6	3
					2.2	. Discipli	nes cho	osen by	stude	ents	•					
				2.1	.2. Cycl	e of profe	ssional	l and p	ractic	al trai	ning*					
		M	aster p	rogram	"Soil Sc	ience, mo	nitorin	g of so	il qual	lity ar	nd soil co	nservat	ion"			
1.	Research methods of soil cover	72	2	e			30	10	20		42					3
2	Quality of soils (bonity of soils)	72	2		t		20	10	10		52					2
3	Soil quality monitoring	72	2		t		30	10	20		42					3
Tot	al selected by the students	216	6	1	2		80	30	50	0	136			0	0	8
		Mas	ter pr	ogram ".	Agroche	mical ser	vice m	odern	techno	logies	in crop	produc	tivity"			
1	Economic and organizational support of agrochemical service	72	2	e			30	10	20		42					3
2	Diagnosis of plants nutrition and fertilization strategies	72	2		t		30	10	20		42					3
3	Management of agrochemical resources	72	2		t		20	10	10		52					2
Tot	al selected by the students	216	6	1	2		80	30	50		136			0	0	8

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Research	orient	ed disc	ciplines	S						
					2.2	2. Discipli	nes cho	osen by	stude	nts						
						le of profe										
	Master program "C	Conserva	tion ar	nd Incre	asing of	quality of	f land t	hroug	h the u	se of l	local reso	ources	and mini	imizing of so	oil tillage"	
1	Diagnostics of soils	72	2		t		30	10	20		42					3
2	Soil organic matter	72	2	e			20	10	10		52					2
3	International classification of soils and taxonomy	72	2	e			30	10	20		42					3
Tot	al selected by the students	216	6	2	2		80	30	50	0	136			0	0	8
]	Master p	rograi	n "Perfe	ection th	e diagnos	is of ni	trogen	nutrit	ion of	crops at	nd thei	r fertilize	er"		
1.	Diagnosis plant nutrition	72	2		t		30	10	20		42					3
2	Management plants nutrition conditions	72	2		t		20	10	10		52					2
3	Management by crop production quality	72	2	e			30	10	20		42					3
Tot	al selected by the students	216	6	1	2		80	30	50		136				0	8
Tot	al number of elected part	1044	29	2	4		212	91	121	0	832				6	11
Pra	ctical training	396	11													
Wr	iting and defense of master's thesis	216	6													
Nur	nber of coursework	3														
Nur	nber of tests				11											
Nur	nber of examinations			12												
TO'	TAL FOR SPECIALTY	3240	90	12	11	3	792	359	416	17	1836			18	18	18

^{*} Names of disciplines cycles in accordance with the requirements of higher education industry standards, ratified after 2007 year, EQH and EPP.

III. STRUCTURE OF A TRAINING PLAN

The disciplines	Hours	Credits	%
1. Regulatory academic disciplines	1584	44.0	49.0
1.1. Cycle of humanitarian, social and economic training*	360	10.0	11.0
1.2. The cycle of professional and practical training*	1224	34.0	38.0
2. Elective academic disciplines	1044	29.0	32.0
2.1. Disciplines chosen by University	828	23.0	25.0
2.1.1. The cycle of professional and practical training*	828	23.0	25.0
2.2. Disciplines chosen by students	216	6.0	7.0
2.2.1. The cycle of professional and practical training*	216	6.0	7.0
3. Other load	612	17.0	19.0
Together for EQL	3240	90.0	100

^{*} Names of disciplines cycles in accordance with the requirements higher education industry standards, ratified after 2007 year, EQH at EPP.

IV. SUMMARY THE BUDGET ON TIME, WEEKS

Year of study	Theoretica l study	Examination period	Practical training	Writing of master's thesis	State certification	Vacation	Total
1	34	4	10	-	-	8	56
2	10	2		3	1	-	16
Together for EQL		6	10	3	1	8	72

V. PRACTICAL TRAINING

№	Type of practice	Semester	Hours	Credits	Number of weeks
1	Production (scientific-research) practice	1. 2	396	11	10

VI. COURSE WORK

№	Subjects	Hours	Credits	Coursework	Course project
1	Soil conservation and restoration of fertility	18	0.5	CW	
2	Management of nutritive conditions of crops in drop irrigation in greenhouses	18	0.5	CW	
3	Agrochemical service	18	0.5	CW	

VII. STATE CERTIFICATION

	№	Component certification	Hours	Credits	Number of weeks
I	1	Writing and defense of master's thesis	216	6	4