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

EDUCATION PLANE training specialists since 2013 year

Level of qualification Branch of knowledge Specialty Specialization Master's programs

Specialization Master's programs

Mode of study Term of study Qualification of graduates

Education and Research Institute Education and Research Center Faculty Departments "Master"
0901 "Agricultural and forestry"
8.09010501 "Plant Protection"
production
"Phytomedicine", "Phytosanitary monitoring and forecasting", "Plant quarantine",
"Methods of entomological control in crop farming and environmental management"
research
"Management of insect amount in the crop agrocenosises", "Biological justification of obligate and facultative pathogens control"
Full-time

5 years
Plant Protection Scientists

Implement the program

Plant Science, Environment and Biotechnology
Phytomedicine, Phytosanitary and Plant Quarantine
Plant Protection
Phytopathology named after V.F. Peresypkin, Entomology named after prof.
M.P. Dadechko, Integrated Protection and Plant Quarantine

I. CURRICULUM a) Training of specialists educational and qualification level "Master" since 2013 Specialty 8.09010501 "Plant Protection"

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pn	1	Sep	otei	mb	er		(Octo	ber			No	ovei	nbe	er	Ι	Dec	emł	oer		J	lanu	ary]	Febr	uar	y		Ma	rch			A	۱pri	1			Μ	ay			Jı	ıne				July	y			Aug	gust	i
r Sl	2	2 9)	16	23	30	7	14	1 2	1 28	3 4	4	11	18	25	2	9	16	5 23	3 30) 6	5 13	3 20	27	3	10	17	24	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25
lea	7	7 1	4	21	28	5	12	2 19	20	5 2	9	9	16	23	30	7	14	1 21	1 28	3 4	1	1 18	3 25	5 1	8	15	22	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30
	1	1 2	2	3	4	5	6	7	8		1	0	11	12	13	14	15	5 10	5 17	7 18	1	9 20) 21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	6 44	45	46	47	48	49	50	51	52
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y									2014	4												2015	5			
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Year	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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b) Training of specialists educational and qualification level "Master" since 2012 Specialty 8.09010501 "Plant Protection"

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	Se	epte	mb	er		0	ctoł	ber		Γ	Nov	emb	ber]	Dec	emł	ber		J	anu	ary		I	Febr	ruar	·у		Ma	rch			Α	pril			I	May			Ju	ne			ļ	July			A	Aug	ust	Π
study	2	9	1 6	2 3	3 0	7	1 4	2 1	2 8	4	1 1	1 8	2 5	2	9	1 6	2 3	3 0	6	1 3	2 0	2 7	3	1 0	1 7	2 4	3	1 0	1 7	2 4	3 1	7	1 4	2 1	2 8	$\frac{1}{2}$	1 2 9	2 6	2	9	1 6	2 3	3 0	7	1 4	2 1	2 8	4	1 1	1 8	2 5
Year	7	1 4	2 1	2 8	5	1 2	1 9	2 6	2	9	1 6	2 3	3 0	7	1 4	2 1	28	4	1 1	1 8	2 5	1	8	1 5	2 2	1	8	1 5	2 2	2 9	5	1 2	1 9	2 6	3 1	1) 7	2 7 4	3 1	7	1 4	2 1	2 8	5	1 2	1 9	2 6	2	9	1 6	2 3	3 0
	1	2	3	4	5	6	7	8	9	1 0	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0	3 1	3 2	3 3	3 4	3 3 5 6	3 3 5 7	3 7 8	3 9	4 0	4 1	4 2	4 3	4 4	4 5	4 6	4 7	4 8	4 9	5 0	5 1	5 2
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Key:

- theoretical education

- : examination period
- vacation

- training at the enterprise

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II - preparation of Master's thesis

- state certification (defense of Master's thesis)

		Volu	ime		edge con semester	•	Cla	issroon (hou	n traini 1rs)	ng	ents	Trai	ning	Dist	ributio per w	n of hours zeek
								in	cluding	g:	pn		se	1 co	urse	2 course
						Ŧ					î sti		oris	1 s	2s	3 s
				s	s	jec			die	S	t of	tice	erl		wee	ks
№ п/п	Academic Discipline and practical training	Hours	Credits	Examinations	Written tests	Term paper (project)	Total	Lectures	Laboratories Studies	Practical Studies	Independent work of students	Training practice	Training at the enterprise	18	12	16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
				RMATIV												
			e of h	umanita	rian and	socio-eco		trainin	0	1						
1	Business foreign language	72	2	Ex			36		36		36			2		
2	Methodology and organization of scientific researches	108	3		Wt		36	18	18		72			2		
3	Logistic and communications in Plant Protection	108	3		Wt		24	12		12	84				2	
Totall	y for the cycle	288	8	1	2	0	96	30	54	12	192	0	0	4	2	0
			Cycle	of profes		nd practi	cal trai	ning*								
1	Managing the number of weeds in agrophytocenoses	108	3		Wt		36	18	18		72			2		
2	Complex systems of crop plant protection from diseases	108	3		Wt		36	18	18		72			2		
3	Phytofagous insect management	108	3	Ex		Тр	36	12	24		72				3	
4	Civil Defence	108	3		Wt	Тр	18	9	9		90			1		
5	Labour protection in plant protection	36	1	Ex			16	8	8		20					2
6	Toxicology of Pesticides	144	4	Ex			36	12	24		108				3	
7	Technology of mass rearing of beneficial insects	216	6	Ex	Wt		54	18	36		162			3		
8	Epiphytotiology	144	4	Ex			36	18	18		108			2		
9	Crop Seed pathology	144	4		Wt		36	12	24		108				3	
10	Standardization and jurisprudence in plant protection	108	3		Wt		36	18		18	192	0	0	2		0
	y for the cycle	1224	34	9	9	2	340	143	179	18	1004	0	0	12	9	2
Totall	y for the normative constituent	1512	42	10	11	2	436	173	233	30	1196	0	0	16	11	2
				CTIVE A												
				iplines a												
	2.	.1.1.Cyc	cle of l	humanita	rian and	socio-ec	onomic	e traini	ng*							

II. MASTERS' PROGRAM CURRICULUM IN SPECIALTY "PLANT PROTECTION"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Economic and organization of agricultural service	72	2		Wt		12	12			60				1	
Totall	y for the cycle	144	4	0	5	0	28	28	0	0	116	0	0	0	1	1
		2.1.2.	Cycle	of profe	ssional a	nd pract	ical tra	ining *								
1	Biosafety in Plant Protection	108	3		Wt		36	12	24		72				3	
2	Disinfection of Management objects	108	3	Ex			36	18	18		72			2		
3	Methods of plant protection testing	108	3	Ex			36	12	24		72				3	
Totall	y for the cycle	324	9	2	1	0	108	42	66	0	216	0	0	2	6	0
					on-Orient		,									
			1		ogram "P	hytomed	licine"	•	•	1						
1	Ecology of plant pathogens	108	3	Ex			48	16	32		60					3
2	Diagnostics of plants diseases	126	3,5	Ex			64	32	32		62					3
3	Mycological and phytopathological research methods	126	3,5	Ex			48	16	32		78					3
Totall	y for the cycle	360	10	3	0	0	160	64	96	0	200	0	0	0	0	9
					sanitary	monitori		1	<u> </u>							
1	Experimental research methods in entomology	144	4	Ex			48	16	32		96					3
2	Insect pathology	108	3	Ex			64	32	32		44					4
3	Insects ecology	108	3	Ex	-		64	32	32		44	-				4
Totall	y for the cycle	360	10	3	0	0	176	80	96	0	184	0	0	0	0	11
			1	- U	n "Plant	quaranti							1			
1	International phytosanitarian standards	144	4	Ex			64	32	32		80					4
2	Introductive pests	144	4	Ex			64	32	32		80					4
3	Quarantine pest risk evaluation	72	2	Ex	-	-	48	16	32		24	-		-		3
Totall	y for the cycle	360	10	3	0	0	176	80	96	0	184	0	0	0	0	11
1	Master's program "Meth				control i	n crop fa				ental i		ment'	'''		4	
1	Insect Biocenology	144	4	Ex			64	32	32		80				4	4
2	Methods and technical supply of modern entomological researches	108	3		Wt		48	16	32		60				3	3
3	Photo-sanitary and environmental assessment of project	108	3		Wt		64	32	32		44					4
Totall	y for the cycle	360	10	1	2	0	176	80	96	0	184	0	0	0	7	11
	Master's pr		1		t of insect	amount		`		sises"		1			-	
1	Experimental research methods in entomology	144	4	Ex			64	32	32		80					4
2	Insect physiology	108	3	Ex			64	32	32		44					4
3	Technical entomology	108	3	Ex			48	16	32		60					3
Totall	y for the cycle	360	10	3	0	0	176	80	96	0	184	0	0	0	0	11
	Master's program				tion of o	bligate a				ens co		1	r		· · · · · ·	
1	Actinomitsetes diseases of plant	108	3	Ex			64	32	32		44					4
2	Physiological and biochemical aspects of plant resistance to disease	126	3,5	Ex			48	16	32		78					3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3	Mycotoxicology	126	3,5	Ex			64	32	32		62					4
Totall	y for the cycle	360	10	3	0	0	176	80	96	0	184	0	0	0	0	11
	y at the choice of the University	828	23	5	6	0	296	134	162	0	532	0	0	2	7	10
	* *		2.2.	Disciplin	es at the	student's	choice	;								
		2.2.1.	Cycle	of Profe	essional a	nd Practi	ical Tra	aining*								
			P	roductio	on-Orient	ted Specia	alty									
			Ma	ster's pro	ogram "I	Phytomed	licine"									
1	Bacterioses of plants	108	3		Wt		32	16	16		76					2
2	Use the antagonistic organisms against agents that cause plant diseases	108	3		Wt		32	16	16		76					2
3	Methods of identification of plant disease agents	108	3		Wt		32	16	16		76					2
Totall	y for the cycle	324	9	0	3	0	96	48	48	0	228	0	0	0	0	6
		-		n "Phyto		monitori		foreca	sting"							
1	Technical entomology	162	4,5		Wt		32	16	16		130					2
2	Insect physiology	162	4,5		Wt		32	16	16		130					2
Totall	y for the cycle	324	9	0	2	0	64	32	32	0	260	0	0	0	0	4
			1	ter's pro	gram"Pl	ant quara						-				
1	Geography of quarantine organisms	162	4,5		Wt		32	16	16		130					2
2	Ukrainian pests in international phytosanitary	162	4,5		Wt		32	16	16		130					2
Totall	y for the cycle	324	9	0	2	0	64	32	32	0	260	0	0	0	0	4
	Master's program "Meth	ods of	entom	ological	control i	n crop fa	rming :	and env	vironm	ental	manage	ment'	,			
1	Systematic Quality Analysis of environment Objects and Plant Production	162	4,5		Wt		32	16	16		130					2
2	Entomological biotechnology	162	4,5		Wt		32	16	16		130					2
Totall	y for the cycle	324	9	0	2	0	64	32	32	0	260	0	0	0	0	4
				ram "Pe		gement i	. 0	enosise	s"	-				-		
1	Theoretical background of technical entomology	162	4,5		Wt		32	16	16		130					2
2	Epizooties of pests	162	4,5		Wt		32	16	16		130					2
Totall	y for the cycle	324	9	0	2	0	64	32	32	0	260	0	0	0	0	4
	Master's program			justifica		bligate an				ens co				1		
1	Methods for infectious backgrounds forming in phythopathology	108	3		Wt		32	16	16		76					2
2	Pathogenesis in plant production	108	3		Wt		32	16	16		76					2
3	Pathological process of plants' root system	108	3		Wt		32	16	16		76					2
	y for the cycle	324	9	0	3	0	96	48	48	0	228	0	0	0	0	6
	y at the choice of the student	1152	32	4	12	0	378	186	192	0	750	0	0	6	5	18
	y at the selective constituent	2664	74	11	14	2	828	357	471	0	1416	0	0	18	18	18
	cal training	396	11													
Prepa	ration and defense of Master's thesis	180	5													

Totally for the specialty	3240 90 1	1 14	2	964 425	509	30 2288	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 THE CURRICULUM

Courses title	Hours	Credits	%
1. NORMATIVE Academic Disciplines	1512	42,0	47,0
1.1. Cycle of Humanities and Social-Economic training	288	8,0	
1.2. Cycle of Natural-Scientific training	1224	34,0	
2. Selective Academic Disciplines			
2.1. Disciplines at the choice of the University	828	23,0	26,0
2.1.1. Cycle of Humanities and Social-Economic training	144	4	
2.1.2. Cycle of Professional and Practical training	684	19	
2.2. Disciplines at the student's choice	324	9,0	10,0
2.2.1. Cycle of Professional and Practical training	324	9,0	
4. Other	576	16,0	17,0
Totally for the specialty	3240	90,0	100,0

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

IV. SUMMARY THE BUDGET ON TIME, WEEKS

Year study	Theoretical studies	Examination period	Practical studies	Preparation and defense of Master's thesis	Vacation	Total
1	29	4	11	-	8	52
2	17	2	-	5	2	26
Total	46	6	11	5	10	78

V. PRACTICAL STUDIES

N⁰	Name	Semester	Hours	Credits	Weeks
1	Scientific and research practical	2	180	5	5
2	Training at the enterprise	2	216	6	6
Total			396	11	11

VI. ACADEMIC YEAR PAPERS (PROJECT)

№	Name	Hours	Credits	Coursework	Course project
1	Toxicology of Pesticides	36	1,0	1	
2	Technology of mass rearing of beneficial insects	36	1,0	1	
Total		72	2,0	2	

VII. FINAL STATE CERTIFICATION

N₂	Name	Hours	Credits	Weeks
1	Preparation and defense of Master's thesis	180	5	5