Form № H- 3.01

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

CURRICULUM

Masters training since 2013

Educational and qualification level	"Master"
Field of knowledge	0305 "Economics and business"
Speciality	8.03050201 "Economic Cybernetics"
Specialisation	Production
Master's Program	"Economic and mathematical modelling"
Specialisation	Research
Master's Program	"Forecasting of social and economic processes"
Mode of study	daily
Term of studying	1 year
Grade qualification	Master of Economic Cybernetics

Implement a master's program

ERI	Ukrainian Education and Research Institute of Dataware and Telecommunication Support of Agroindustrial and Nature Conservative Branches of Economy
Faculty	Computer Sciences and Economic Cybernetics
Department	Economic Cybernetics

I. THE CURRICULA

training specialists EQL “Master” enter 2013
specialty “Economic Cybernetics”

Course	2013																		2014																																		
	September					October				November				December					January				February				March				April					May				June				July					August			
	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	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
	6	13	20	27	4	11	18	25	1	8	14	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29
	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	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
I																																																	X	X	X	X
																	:	:	-	-																	:	:	II	II	//	//										

Table legend:

	-	Theoretical training
:	-	Examination session
-	-	Holiday
X	-	Practice
II	-	Pass the state examination
//	-	Protection of diploma project (work)

II. CURRICULUM

№	Name of the discipline	Volume		Forms of knowledge control (per semester)			Lecture classes					Practical training		Distribution of weekly hours per semester courses	
														1 year	
		Hours	Credits	Exam	Test	Course work (project)	Total number	lecture	laboratory	practical	Individual work	Practical training	Research practice	1sem	2sem.
														Number of weeks in a semester	
														14	14
1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17
1. COMPULSORY ACADEMIC COURSES															
1.1.Cycle of professional and practical training*															
1	Financial Management	108	3	1			32	16		16	76			2	
2	Modern Economic Theories	108	3	1			32	16		16	76			2	
3	Corporate Informational Systems	108	3	2			32	16	16		76				2
4	Information Projects Management	108	3	2			32	16	16		76				2
5	Modelling of Economics Dynamics	108	3	1			32	16	16		76	72		2	
6	Modelling of System Characteristics in Economics	108	3	2			32	16	16		76				2
7	Mathematical Models of Transformation Economy	108	3	1		1	32	16	16		76			2	
8	Work Security	36	1	2			16	16			20				1
9	Civil protection	36	1		1		16	16			20			1	
Total in normative academic component		**828**	**23**	**12**	**1**	**1**	**256**	**144**	**80**	**32**	**572**	**72**	**0**	**9**	**7**
2. OPTIONAL ACADEMIC COURSE															
2.1. Chosen by the university courses															
2.1.1. Cycle of professional training*															
1	Computer Networks and Telecommunications	90	2,5		1		32	16	16		58			2	
2	Geographical Informational Systems and Technology in Environmental Management	90	2,5		2		32	16	16		58				2
3	Development of WEB-Applets	108	3		1		32	16	16		76	72		2	
4	Intelligent Data Analysis	90	2,5		2		32	16	16		58				2
Total in the cycle		**378**	**10,5**			**0**	**128**	**64**	**64**	**0**	**250**	**72**	**0**	**4**	**4**
2.1.2. Cycle of natural-scientific and general economic training*															

1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17
1	Agricultural Consulting	36	1		1		16	16			20			1	
2	Agricultural policy	36	1		2		16			16	20				1
3	Methodology of Scientific Research	72	2		1		16	16			56			1	
4	Electronic Commerce	108	3	2		2	32	16	16		76				2
5	Business Foreign Language	72	2	1			16			16	56			1	
6	Global Information Resources	72	2		2		16		16		56				1
7	Standardization and Certification of Information Technology	72	2		2		16		16		56				1
Total in the cycle		**468**	**13**			**2**	**128**	**48**	**48**	**32**	**340**	**0**	**0**	**3**	**5**
2.2. Chosen by students courses															
Master program "Economic and mathematical modelling"(productive specialization)															
1	System Analysis	90	2,5		1		32	16	16	0	58			2	
2	Modelling and Management of Innovation and Investment Processes	72	2		2		32	16	16	0	40				2
Total		**162**	**4,5**			**0**	**64**	**32**	**32**	**0**	**98**	**0**	**0**	**2**	**2**
Master program "Forecasting of social and economic processes" (research specialization)															
1	Theory of Forecast and Modelling	90	2,5		1		32	16	16	0	58				2
2	Risk Management	72	2		2		32	16	16	0	40			2	
Total		**162**	**4,5**			**0**	**64**	**32**	**32**	**0**	**98**	**0**	**0**	**2**	**2**
Total with selective component		**1008**	**28**	**0**	**0**	**2**	**320**	**144**	**144**	**32**	**688**	**72**	**0**	**9**	**11**
Total		**1836**	**51**	**12**	**1**	**3**	**608**	**288**	**256**	**64**	**1228**	**144**	**0**	**18**	**18**
Practical preparation		**144**	**4**									**180**			
Preparation and master thesis		**180**	**5**										**324**		
Total in specialty		**2160**	**60**				**608**	**288**	**256**	**64**	**1228**		**0**	**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

Educational disciplines	Hours	Credits	%
1. Compulsory academic courses	828	23	38,30
1.1.Cycle of professional and practical training*	828	23	38,30
2. Optional academic courses	1008	28	46,70
2.1. Chosen by the university courses	846	24	39,20
2.1.1. Cycle of professional training*	378	10,5	17,50
2.1.2.Cycle of natural-scientific and general economic training*	468	13	21,70
2.2. Cycle of chosen by the student	162	5	7,50
3. Other learning	324	9	15,00
Total in specialty	2160	60	100,00

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

IV. SUMMARY TIME BUDGET, WEEKS

Year of study	Theoretical study	Examination session	Practical training	Preparation of master's thesis	State certification	Holiday	Total
1	32	4	4	2	2	2	**46**

V. PRACTICAL TRAINING

№	Type of practice	Semester	Hours	Credits	Number of weeks
1	Producting of modeling economic dynamics	1	72	2	2
2	Producting of Web technologies	1	72	2	2

VI. COURSE WORK AND PROJECTS

№	Discipline	Hours	Credits	Term paper	Course project
1	Mathematical models of transformation economy	36	1		cp
2	Electronic commerce	36	1		cp

VII. STATE ATTESTATION

№	Component of attestation	Hours	Credits	Number of weeks
1	Protection of master's thesis	108	3	2