

MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN  
AZERBAIJAN ARCHITECTURE AND CONSTRUCTION UNIVERSITY

Approved by:  
Rector \_\_\_\_\_ G.H. MAMMADOVA

“ \_\_\_\_ “ \_\_\_\_\_ 2012

MASTER'S LEVEL  
EDUCATION PLAN  
SPECIALTY: 060649 - ECOLOGY ENGINEERING  
SPECIALIZATION: PROTECTION AND COMPLEX USE OF WATER RESOURCES

Academic degree: Master  
PERIOD OF EDUCATION: 2 YEARS (FULL-TIME)

ACADEMIC PLAN

I. EDUCATION PROCESS PLAN

Courses	September				29 IX	October			27 X	November				December				29 XII	January			26 I	February			23 I	March				30 III	April			27 IV	May				June				28 VI	July			27 VII	August			
	1	8	15	22		6	13	21		3	10	17	24	1	8	15	22		5	12	19		2	9	16		2	9	16	23		6	13	20		4	11	18	25	1	8	15	22		6	13	20		2	9	16	23
	7	14	21	28	5 X	12	19	26	2 XI	9	16	23	30	7	14	21	28	4 I	11	18	25	1 II	8	15	22	1 III	8	15	22	29	5 IV	12	19	26	3 V	10	17	24	31	7	14	21	28	5 VII	12	19	26	1 VIII	8	15	22	29
I																		••	••	••	••	••	=	=														••	••	••	••	••	=	=	=	=	=	=	=	=		
II	=	=																••	••	••	••	••	=	=	O	O	O	O	X	X	X	X	II	II	II	II	II	II	II	II	D	D	D	D	=	=	=	=				

Theoretical tuition



Exam session



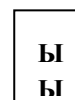
Research practice



Scientific and pedagogical practice



Preparation of dissertation work



Dissertation defence



Holiday



II. TIME BUDGET (in weeks)

Courses	Theoretical tuition	Exam session	Research practice	Scientific and pedagogical practice	Preparation of dissertation work	Dissertation defence	Holiday	Total
I	30	10	–	–	–	–	10	50
II	15	5	4	4	8	4	8	48
<b>Total:</b>	<b>45</b>	<b>15</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>18</b>	<b>98</b>

## EDUCATION PROCESS PLAN

Index of subject sections and subjects	Name of subject sections and subjects	General hours	Curricular hours					Individual work	Prerequisites	Number of Credits	Devison by courses and terms			
			Total	lecture	Laboratory	Practical sessions (seminar)	abstract				I course		II course	
											I term	II term	III term	IV term
<b>TEACHING PART</b>														
<b>MHF-B00</b>	<b>HUMANITARIAN SUBJECTS</b>	<b>420</b>	<b>105</b>	<b>60</b>		<b>45</b>		<b>315</b>		<b>14</b>				
MHF-B01	Foreign language	180	45			45		135		6	3			
MHF-B02	Higher education pedagogy	120	30	30				90		4			2	
MHF-B03	Psychology	60	15	15				45		2			1	
<b>OPTIONAL SUBJECTS</b>														
	Block I: 1) The right to work 2) Ethics 3) Aesthetics	60	15	15				45		2		1		
<b>MSF-B00</b>	<b>SPECIALTY (SPECIALIZATION) SUBJECTS</b>	<b>2280</b>	<b>570</b>	<b>390</b>	<b>15</b>	<b>165</b>		<b>1710</b>		<b>52</b>				
MIF-B01	Modern problems of ecology	120	30	30				90		4	2			
MIF-B02	History and methodology of ecology	60	15	15				45		2	1			
MIF-B03	Computer programming	120	30	15	15			90		4		2		
MIF-B05	<b>Subjects for specialization</b>	<b>1260</b>	<b>315</b>	<b>225</b>		<b>90</b>		<b>945</b>		<b>42</b>				
MIF-B05A	Research of landslide stability issues	300	75	45		30	ref	150		10	5			
MIF-B05B	Environmental planning and integrated management	240	60	45		15		120		8		4		
MIF-B05C	Protection and use of natural resources (by areas)	240	60	45		15		120		8		4		
MIF-B05D	Land reclamation	240	60	45		15		120		8	4			

MİF-B05E	Integrated waste management	240	60	45		15		120	8		4		
<b>MİF – B04</b>	<b>OPTIONAL SUBJECTS</b>	<b>720</b>	<b>180</b>	<b>105</b>		<b>75</b>		<b>540</b>	<b>24</b>				
	Block I: 1) Complex purpose hydraulic knots 2) River hydraulic structures	240	60	45		15	ref	180	8			4	
	Block II: 1) Fish release and fish protection HTF 2) Hydraulic machines and HPPs	240	60	30		30		180	8			4	
	Block III: 1) Methods of restoration and protection of the environment 2) Soil erosion	240	60	30		30		180	8			4	
<b>Number of academic hours and number of credits</b>		<b>2700</b>	<b>675</b>	<b>450</b>	<b>15</b>	<b>210</b>	<b>2</b>	<b>2025</b>	<b>90</b>	<b>15</b>	<b>15</b>	<b>15</b>	
<b>Number of exams:</b>										<b>5</b>	<b>5</b>	<b>5</b>	
<b>SCIENTIFIC RESEARCH PART</b>													
<b>MET-B00</b>	<b>SCIENTIFIC RESEARCH</b>	<b>900</b>							<b>30</b>				
<b>MET -B01</b>	Research practice - 4 weeks	180							6				
<b>MET -B02</b>	Scientific and pedagogical practice - 4 weeks	180							6				
<b>MET -B03</b>	Preparation and defense of master's dissertation - 12 weeks	540							18				
<b>The total number of hours for the master's degree program</b>		<b>3600</b>	<b>675</b>	<b>450</b>	<b>15</b>	<b>210</b>	<b>2</b>	<b>2025</b>	<b>120</b>				

Azerbaijan University of Architecture and  
Construction  
Vice-Rector for Academic Affairs  
\_\_\_\_\_ assoc prof. F.M. JAFAROV

Dean of "WM and ECS" faculty  
\_\_\_\_\_ Z.S.Musayev

Approved at the meeting of the Scientific Council of  
Azerbaijan University of Architecture and  
Construction  
on“ \_\_\_ ” \_\_\_\_\_ 2012 (Protocol № \_\_\_).

**MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN  
AZERBAIJAN ARCHITECTURE AND CONSTRUCTION UNIVERSITY**

Approved by  
Rector \_\_\_\_\_ G.H. MAMMADOVA

“ \_\_\_\_\_ “ \_\_\_\_\_ YEAR 2012

**MASTER'S LEVEL  
EDUCATION PLAN  
SPECIALTY: 060649 - ECOLOGY ENGINEERING  
SPECIALIZATION: LAND RECLAMATION, RECULTIVATION AND LAND PROTECTION**

Academic degree: Master  
PERIOD OF EDUCATION: 2 YEARS (FULL-TIME)

**ACADEMIC PLAN**

**I. EDUCATION PROCESS PLAN**

Courses	September				29 IX	October			27 X	November				December				29 XII	January			26 I	February			23 I	March				30 III	April			27 IV	May				June				28 VI	July			27 VII	August								
	1	8	15	22		6	13	21		3	10	17	24	1	8	15	22		5	12	19		2	9	16		2	9	16	23		6	13	20		4	11	18	25	1	8	15	22		6	13	20		2	9	16	23					
	7	14	21	28	5 X	12	19	26	2 XI	9	16	23	30	7	14	21	28	4 I	11	18	25	1 II	8	15	22	1 III	8	15	22	29	5 IV	12	19	26	3 V	10	17	24	31	7	14	21	28	5 VII	12	19	26	1 VIII	8	15	22	29					
<b>I</b>																		••	••	••	••	••				=	=															••	••	••	••	••				=	=	=	=	=	=	=	=
<b>II</b>	=	=																••	••	••	••	••				=	=	O	O	O	O	X	X	X	X	II	II	II	II	II	II	II	D	D	D	D											

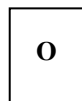
Theoretical teaching



Examination session



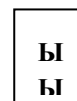
Research Practice



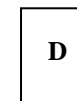
Scientific and pedagogical practice



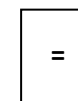
Preparation of dissertation work



Dissertation defence



Holiday



**II. TIME BUDGET (in weeks)**

Courses	Theoretical teaching	Examination session	Research practice	Scientific and pedagogical practice	Preparation of dissertation work	Dissertation defence	Holiday	Total
<b>I</b>	30	10	-	-	-	-	10	50
<b>II</b>	15	5	4	4	8	4	8	48
<b>Total:</b>	45	15	4	4	8	4	18	98

## EDUCATION PROCESS PLAN

Index of subject sections and subjects	Name of subject sections and subjects	General lessons	Curricular hours					Individual work	PPrequisites	Number of credits	Devison by courses and terms			
			Total	Lecture	Laboratory	Practical sessions (seminar)	Abstract				I course		II course	
											I term	II term	III term	IV term
<b>ACADEMIC PART</b>														
<b>MHF-B00</b>	<b>HUMANITARIAN SUBJECTS</b>	<b>420</b>	<b>105</b>	<b>60</b>		<b>45</b>		<b>315</b>		<b>14</b>				
MHF-B01	Foreign language	180	45			45		135		6	3			
MHF-B02	Higher education pedagogy	120	30	30				90		4			2	
MHF-B03	Psychology	60	15	15				45		2			1	
	<b>OPTIONAL SUBJECTS</b>													
	Block I: 1) The right to work 2) Ethics 3) Aesthetics	60	15	15				45		2		1		
<b>MSF-B00</b>	<b>SPECIALTY (SPECIALIZATION)SUBJECTS</b>	<b>2280</b>	<b>570</b>	<b>390</b>	<b>15</b>	<b>165</b>		<b>1710</b>		<b>52</b>				
MİF-B01	Modern problems of ecology	120	30	30				90		4	2			
MİF-B02	History and methodology of ecology	60	15	15				45		2	1			
MİF-B03	Computer programming	120	30	15	15			90		4		2		
MİF-B05	<b>Subjects for specialization</b>	<b>1260</b>	<b>315</b>	<b>225</b>		<b>90</b>		<b>945</b>		<b>42</b>				
MİF-B05A	Research of landslide stability issues	300	75	45		30	ref	150		10	5			
MİF-B05B	Environmental planning and integrated management	240	60	45		15		120		8		4		
MİF-B05C	Protection and use of natural resources (by areas)	240	60	45		15		120		8		4		
MİF-B05D	Land reclamation	240	60	45		15		120		8	4			
MİF-B05E	Tullantıların integrasiyalı idarə olunması	240	60	45		15		120	8		4			

<b>MIF – B04</b>	<b>OPTIONAL SUBJECTS</b>	<b>720</b>	<b>180</b>	<b>105</b>		<b>75</b>		<b>540</b>	<b>24</b>				
	Block I: 1) Engineer reclamation and soil erosion 2) Land reclamation	240	60	45		15		180	8			4	
	Block II: 1) Coast Guard HTF 2) Leakage from reservoirs and its impact on the environment	240	60	30		30	ref	180	8			4	
	Block III: 1) Methods of restoration and protection of the environment 2) Soil erosion	240	60	30		30		180	8			4	
<b>Number of teaching hours and number of credits</b>		<b>2700</b>	<b>675</b>	<b>450</b>	<b>15</b>	<b>210</b>		<b>2025</b>	<b>90</b>				
<b>Exam number :</b>										<b>5</b>	<b>5</b>	<b>5</b>	
<b>SCIENTIFIC RESEARCH PART</b>													
<b>MET-B00</b>	<b>SCIENTIFIC RESEARCH</b>	<b>900</b>							<b>30</b>				
<b>MET -B01</b>	Research experience - 4 weeks	180							6				
<b>MET -B02</b>	Scientific and pedagogical practice - 4 weeks	180							6				
<b>MET -B03</b>	Preparation and defense of master's dissertation - 4 weeks	540							18				
<b>Total number of hours for master's degree program</b>		<b>3600</b>							<b>120</b>				

Azerbaijan University of Architecture and  
Construction  
Vice-Rector for Academic Affairs  
\_\_\_\_\_ Assoc prof. F.M. JAFAROV

Dean of "WM and ECS" faculty  
\_\_\_\_\_ Z.S.Musayev

Azerbaijan University of Architecture and  
Construction  
Approved at the meeting of the Scientific Council  
on "\_\_\_" \_\_\_\_\_ 2012 (Protocol № \_\_\_).

MINISTRY OF EDUCATION OF THE REPUBLIC OF AZERBAIJAN  
AZERBAIJAN ARCHITECTURE AND CONSTRUCTION UNIVERSITY

Confirm:  
Rector \_\_\_\_\_ G.H. MAMMADOVA

“ \_\_\_\_ “ \_\_\_\_\_ 2012

MASTER'S LEVEL  
EDUCATION PLAN  
SPECIALTY: 060649 - ECOLOGICAL ENGINEERING  
SPECIALIZATION: WASTE PROCESSING TECHNOLOGY OF SOLID MATERIALS

Academic degree: Master  
PERIOD OF EDUCATION: 2 YEARS (FULL-TIME)

CURRICULUM

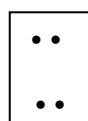
I. EDUCATIONAL PROCESS PLAN

Courses	September				29 IX	October			27 X	November				December				29 XII	January			26 I	February			23 I	March				30 III	April			27 IV	May				June				28 VI	July			27 VII	August								
	1	8	15	22	5 X	6	13	21	2 XI	3	10	17	24	1	8	15	22	4 I	5	12	19	1 II	2	9	16	1 III	2	9	16	23	5 IV	6	13	20	3 V	4	11	18	25	1	8	15	22	5 VII	6	13	20	1 VIII	2	9	16	23					
I																		••	••	••	••	••	=	=																	••	••	••	••	••	=	=	=	=	=	=	=	=				
II	=	=																••	••	••	••	••	=	=	O	O	O	O	X	X	X	X	II	II	II	II	II	II	II	II	II	D	D	D	D	=	=	=	=								

Theoretical teaching



Exam session



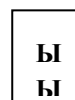
Research Experience



Scientific and pedagogical experience



Preparation of dissertation work



Dissertation defence



Holiday



II. TIME BUDGET (in weeks)

Courses	Theoretical teaching	Exam session	Research Experience	Scientific and pedagogical experience	Preparation of dissertation work	Dissertation defence	Holiday	Total
I	30	10	–	–	–	–	10	50
II	15	5	4	4	8	4	8	48
<b>Total:</b>	<b>45</b>	<b>15</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>18</b>	<b>98</b>

## EDUCATION PROCESS PLAN

Index of subject sections and subjects	Name of subject sections and subjects	General hours	Curricular hours					Individual work	Prerequisites	The number of credits	Distribution by courses and terms			
			Total	Lecture	Laboratory	Training (seminar)	Astract				I course		II course	
											I term	II term	III term	IV term
<b>ACADEMIC PART</b>														
<b>MHF-B00</b>	<b>HUMANITARIAN SUBJECTS</b>	<b>420</b>	<b>105</b>	<b>60</b>		<b>45</b>		<b>315</b>		<b>14</b>				
MHF-B01	Foreign language	180	45			45		135		6	3			
MHF-B02	Higher education pedagogy	120	30	30				90		4			2	
MHF-B03	Psychology	60	15	15				45		2			1	
	<b>OPTIONAL SUBJECTS</b>													
	Block I: 1) The right to work 2) Ethics 3) Aesthetics	60	15	15				45		2			1	
<b>MSF-B00</b>	<b>SPECIALTY (SPECIALIZATION) SUBJECTS</b>	<b>2280</b>	<b>570</b>	<b>390</b>	<b>15</b>	<b>165</b>		<b>1710</b>		<b>52</b>				
MIF-B01	Modern problems of ecology	120	30	30				90		4	2			
MIF-B02	History and methodology of ecology	60	15	15				45		2	1			
MIF-B03	Computer programming	120	30	15	15			90		4		2		
MIF-B05	<b>Subjects for specialization</b>	<b>1260</b>	<b>315</b>	<b>225</b>		<b>90</b>		<b>945</b>		<b>42</b>				
MIF-B05A	Waste prevention		75	45		30		150		10	5			
MIF-B05B	Module, Introduction to Environmental Planning	240	60	45		15		120		8		4		
MIF-B05C	Resource economics	240	60	45		15		120		8		4		
MIF-B05D	Waste treatment system	240	60	45		15	ref	120		8	4			



MIF-B05E	Wastewater management	240	60	45		15		120		8			4	
----------	-----------------------	-----	----	----	--	----	--	-----	--	---	--	--	---	--

<b>MIF – B04</b>	<b>OPTIONAL SUBJECTS</b>	<b>720</b>	<b>180</b>	<b>105</b>		<b>75</b>		<b>540</b>		<b>24</b>				
	Block I: 1) Integrated waste management 2) Industrial waste management	240	60	30		30		180		8		4		
	Block II: 1) Organizations involved in waste management 2) Household waste management	240	60	45		15		180		8			4	
	Block III: 1) Research methods 2) Land reclamation, waste disposal	240	60	30		30		180		8			4	
<b>Number of teaching hours and number of credits</b>		<b>2700</b>	<b>675</b>	<b>450</b>	<b>15</b>	<b>210</b>	<b>2</b>	<b>2025</b>		<b>90</b>	<b>15</b>	<b>15</b>	<b>15</b>	
										<b>Exam number:</b>	<b>5</b>	<b>5</b>	<b>5</b>	

<b>SCIENTIFIC RESEARCH PART</b>														
<b>MET-B00</b>	<b>SCIENTIFIC RESEARCH</b>	<b>900</b>								<b>30</b>				
<b>MET -B01</b>	Research Practice - 4 weeks	180								6				
<b>MET -B02</b>	Scientific and pedagogical practice - 4 weeks	180								6				
<b>MET -B03</b>	Preparation and defense of master's dissertation - 4 weeks	540								18				
<b>Total number of hours for the master's degree program</b>		<b>3600</b>	<b>675</b>	<b>450</b>	<b>15</b>	<b>210</b>	<b>2</b>	<b>2025</b>		<b>120</b>				

Azerbaijan University of Architecture and  
Construction  
Vice-Rector for Academic Affairs  
\_\_\_\_\_ assoc.prof. F.M. JAFAROV

Dean of "WM and ECS" faculty  
\_\_\_\_\_ Z.S.Musayev

Azerbaijan University of Architecture and  
Construction  
"\_\_\_" \_\_\_\_\_ Approved at the meeting of the  
Scientific Council on 2012 (Minutes № \_\_\_).