MINISTRY OF SCIENCE AND EDUCATION

REPUBLIC OF AZERBAIJAN

WESTERN CASPIAN UNIVERSITY

Approved by
Executive Vice-Rector R.H. Baghirov
Western Caspian University

_____
"_____" _____2024

Code and name of the specialty: 050504 Ecology (Full time)

Study Period: 4 years (8 semesters)

CURRICULUM
(for Bachelor's level)

I. ACADEMIC SCHEDULE

courses	September					October				November				December					January				February				March					April				May				June					July				August			
	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24
	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	29	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	31
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II	=	=																	: :	: :	: :	: :	: :	=	=																:	:	:	:	:	=	=	=	=	=	=	=	=
III	=	=																	: :	: :	: :	: :	: :	=	=																:	:	:	:	:	=	=	=	=	=	=	=	=
IV	=	=																	: :	: :	: :	: :	: :	=	=	x	x	x	x	x	x	x	x	x	x	x	x	x	x	//	//	//	//	//	//								

Symbols : THEORETICAL TRAINING | INTERNSHIP | EXAMINATION SESSION | STATE FINAL CERTIFICATION | HOLIDAY

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II. Academic Teaching plan

№	Subject code	Subject name	Credit number	Total hours	Non curricular hours	Classroom hours	Including			Prerequisite (first teaching neceİFary) code of subjects	Teaching the subject intended semester held (autumn or spring)	Weekly class load
							Lecture	Seminar	Laboratory			
1	2	3	4	5	6	7	8	9	10	11	12	13
	ÜF - B00	**General subjects**	**24**	**720**	**405**	**330**	**30**	**300**				**22**
1	ÜF- B01	History of Azerbaijan	5	150	90	60	30	30			Spring-4	4
2	ÜF -B02.01	Business and academic communication in a foreign language -1	7	210	105	105		105			Fall-1	7
3	ÜF-B02.02	Business and academic communication in a foreign language -2	8	240	135	120		120		ÜF-B02.01	Spring-2	8
5	ÜF – B03	Business and academic communication in Azerbaijani	4	120	75	45		45			Fall-1	3
	ÜFS- B00	**Elective subjects**	**6**	**180**	**120**	**60**	**30**	**30**				**4**
6	ÜFS-B01	***First Block*** 1. Philosophy 2. Introduction to multiculturalism 3.Sociology 4. Constitution of the Republic of Azerbaijan and the foundations of law 5. Logic 6. Ethics and aesthetics	3	90	60	30	15	15			Fall-3	2
7	ÜFS-B02	***Second Block*** 1. Application of information technologies in ecology 2. Information management and database creation 3. Fundamentals of entrepreneurship and introduction to busineİF 4. Political Science	3	90	60	30	15	15			Spring-4	2
	İF-BOO	**Specialized subjects**	**120**	**3600**	**2295**	**1305**	**720**	**540**	**45**			**87**
8	İF-BO1	Chemistry	6	180	120	60	30	15	15		Spring-2	4
9	İF-BO 2	Biology	6	180	120	60	30	20	10		Spring-2	4
10	IF-BO 3	Higher mathematics	7	210	135	75	45	30			Fall-1	5
11	IF-BO4	Biosphere and its protection	6	180	105	75	45	30			Fall-3	5
12	IF-BO5	Physics	4	120	90	30	15	10	5		Spring-2	2
13	IF-BO 6	Fundamentals of Earth Sciences	6	180	120	60	30	30			Spring-2	4

14	IF-BO 7	General ecology	5	150	105	45	30	15			Fall-1	3
15	IF-BO 8	Geographic ecology	4	120	75	45	30	15			Fall-3	3
16	IF-BO9	Animal ecology	5	150	90	60	30	30			Spring-4	4
17	IFB1 0	Soil science	4	120	90	30	15	15			Fall-1	2
18	IF-B11	Ecological research methods	5	150	90	60	30	30			Spring-6	4
19	IF-B12	Landscape science and landscape ecology	5	150	90	60	30	30			Fall-5	4
20	IF-B13	Human ecology and sustainable development	5	150	90	60	30	30			Spring-6	4
21	IF-B14	Air and water quality, pollution and protection	6	180	105	75	45	30			Spring-4	5
22	IF-B15	Environmental law	4	120	75	45	30	15			Fall-7	3
23	IF-B16	Ecological cartography and geographic information systems	8	240	150	90	45	45			Fall-7	6
24	IF-B17	Industrial ecology	4	120	75	45	30	15			Fall-5	3
25	IF-B18	Environmental chemistry	6	180	120	60	30	15	15		Fall-3	4
26	IF-B19	Forestry	6	180	105	75	45	30			Fall-5	5
27	IF-B20	Environmental monitoring	5	150	90	60	30	30			Fall-7	4
28	IF-B21	Biodiversity protection	6	180	120	60	30	30			Spring-6	4
29	IF-B22	Sustainable management of natural resources	4	120	75	45	30	15			Fall-5	3
30	IF-B23	Civil defense	3	90	60	30	15	15			Fall-1	2
	ATMF-BOO	**Subjects determined by the higher education institution**	**60**	**1800**	**1140**	**660**	**375**	**285**				**44**
31	ATMF -BO1	***Block I:*** 1. Plant ecology 2. Ecology of the Caucasus 3. Flora and fauna of Azerbaijan	5	150	90	60	30	30			Fall-3	4
32	ATMF -BO2	***Block II:*** 1. Hydrology 2. Environmental control and restoration 3. Environmental problems of the oil industry	6	180	105	75	45	30			Fall-3	5
33	ATMF BO3	***Block III:*** 1. Ecology of the Caspian Sea 2. Aquatic and terrestrial ecosystems 3. Ecosystems, their protection	6	180	120	60	30	30			Spring-4	4
34	ATMF -BO4	***Block IV:*** 1. Atmospheric ecology, modern pollutants 2. Environmental management 3. Management of specially protected natural areas	5	150	105	45	30	15			Spring-4	3
35	ATMF -BO5	***Block V:*** 1. Land structure and cadastre 2. Application of cadastral maps 3. Design and compilation of general geographical maps	6	180	120	60	30	30			Fall-5	4
36	ATMF -BO6	***Block VI:*** 1. Regional ecology 2. Environmental safety of alternative energy sources 3. Ecological foundations of nature use	5	150	90	60	30	30			Fall-5	4
37	ATMF -BO7	***Block VII:*** 1. Agrochemistry and environmental protection 2. Environmental problems of transportation 3. Monitoring terrestrial ecosystems	5	150	90	60	30	30			Spring-6	4
38	ATMF -BO8	***Block VIII:*** 1. Global environmental problems 2. Ecology of the lithosphere 3. Natural disasters and their elimination	5	150	105	45	30	15			Spring-6	3
39	ATMF -BO9	***Block IX:*** 1. Ecochemical proceİFes in the atmosphere 2. Chemical pollution of the biosphere 3. Ecosystem and toxicants	4	120	75	45	30	15			Spring-6	3
40	ATMF -B10	***Block X:*** 1. Landscape and ecological conditions of the Absheron Peninsula 2. Ensuring food safety 3. Eco-friendly products	6	180	105	75	45	30			Fall-7	5
41	ATMF -B11	***Block XI:*** 1. Organization of waste-free production proceİFes 2. Waste recycling 3. Environmental aİFeİFment of waste	7	210	135	75	45	30			Fall-7	5
42		**Experience**	21								Spring-8	
43		**SFC**	9								Spring-8	
		TOTAL	**240**									

III. DURATION OF TRAINING

Education year	Theoretical training	Exam	İnternship	SFC	Holiday
I	30	10			1 0
II	30	10			1 2
III	30	10			12
IV	15	5	14	6	4
Total	**105**	**35**	**14**	**6**	**3 8**

	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester
Weekly class load	22	23	22	23	2 3	2 2	23	
Examinatios number	6	5	5	6	6	7	6	
Credits number	30	30	30	30	30	30	30	30

Director of the Center for Organization and
Management of Education:
_____ PhD, P. Akhundov
«_____» _____ 2024

Scientific Council of WCU «_____»
Approved at the meeting of _____ dated in the year 2024
(Protocol No. _____).