

Code and name of the specialty: 050501 –Biology

Duration of study :4 year (8 semester)

Course	September					October				November				Dekabr				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	30
	I	=	=															::	::	::	::	::	::	=	=														::	::	::	::	::	::	=	=	=	=	=	=	=	=
	II	=	=																::	::	::	::	::	::	=	=													::	::	::	::	::	::	=	=	=	=	=	=	=	=
	III	=	=																::	::	::	::	::	::	=	=													::	::	::	::	::	::	=	=	=	=	=	=	=	=
IV	=	=																::	::	::	::	::	::	=	=	x	x	x	x	x	x	x	x	x	x	x	x	x	//	//	//	//	//	//								

II. TEACHING PROCESS PLAN												
№	Subject code	Subject name	Number of credits	Total hours	Out-of-class Activity hours	Auditorium hours	Including			Code of prerequisite subjects	Semester in which the subject is intended to be taught (F-fall S-spring)	Weekly workload
							Lecture	Seminar, training	Laboratory			
	ÜF-B00	General subjects	24	720	405	330	30	300				22
1	ÜF-B01	History of Azerbaijan	5	150	90	60	30	30			S-4	4
2	ÜF-B02.01	Business and academic communication in a foreign language -1	7	210	105	105		105			F-1	7
3	ÜF-B02.02	Business and academic communication in a foreign language -2	8	240	135	120		120		ÜF-B02.01	S-2	8
5	ÜF – B03	Business and academic communication in Azerbaijani	4	120	75	45		45			F-1	3
	ÜFS-B00	General Elective	6	180	120	60	30	30				4
6	ÜFS-B04	<i>First block</i> 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			F-3	2
7	ÜFS-B05	<i>Second block</i> 1. Application of Information Technologies in Biology 2. Information Management and Database Development 3. Fundamentals of Entrepreneurship and Introduction to Business 4. Political Science	3	90	60	30	15	15			S 4	2
	İF-BOO	Major Subjets MS	120	3660	2330	1335	705	305	325			
8	İF-BO1	Mathematics and Biostatistics for Biological Sciences	5	150	105	45	30	15			F-1	3
9	İF-BO2	Physics	5	150	105	45	30	10	5		F-1	3
10	İF-BO3	Chemistry	5	150	105	45	30	10	5		S-2	3
11	İF-BO4	Cytology and Histology	6	180	120	60	30	0	30		F-1	4
12	İF-BO5	Individual Development and Evolution	5	150	90	60	30	15	15		F-5	4
13	İF-BO6	Morphology and anatomy of plants	5	150	90	60	30	0	30		S-2	4
14	İF-BO7	Primitive plants and fungi	5	210	170	60	30	0	30		S-2	4
15	İF-BO8	Higher plants	5	150	90	60	30	0	30		F-3	4
16	İF-BO9	Invertebrate Animals	5	150	90	60	30	0	30		F-3	4
17	İF-B10	Vertebrate Animals	5	150	90	60	30	0	30		S-4	4
18	İF-B11	Human anatomy and physiology	7	210	135	60	30	30	0		S-2	4
19	İF-B12	Biochemistry	5	150	90	60	30	30	0		S-4	4
20	İF-B13	Biodiversity	5	150	90	60	30	30	0		S-6	4
21	İF-B14	Microbiology	5	150	90	60	30	0	30		F-5	4
22	İF-B15	Plant Physiology	5	150	90	60	30	0	30		F-5	4
23	İF-B16	Genetis	7	210	135	75	45	0	30		S-4	5
24	İF-B17	Enzymology	5	150	90	60	30	30	0		F-5	4
25	İF-B18	Immunology	5	150	90	60	30	30	0		S-6	4
26	İF-B19	Molecular Biology	7	210	135	75	45	30	0		S-6	5
27	İF-B20	Bioinformatics	5	150	90	60	30	30	0		F-7	4
28	İF-B21	Biotechnology	5	150	90	60	30	30	0		F-7	4
29	İF-B22	Biophysics	5	150	90	60	30	0	30		S-4	4
30	İF-B23	Civil defense	3	90	60	30	15	15	0		F-1	2
	ATMF-BOO	Subjects determined by the higher education institution. Elective subjects-ES	60	1800	1300	645	330	315				

		2. Academic writing and reading 3. Latin language										
32	ATMF-BO2	II block: 1. Geobotany 2. Hydrobiology 3. Hydrochemistry	6	120	120	60	30	30			F-3	4
33	ATMF BO3	III block: 1. Medicinal plants of Azerbaijan 2. Flora and fauna of Azerbaijan 3. Industrially Important Plants	5	150	90	60	30	30			F-3	4
34	ATMF-BO4	IV block: 1.Biochemistry of Hormones 2.Functional Biochemistry 3.Endocrinology	6	180	120	60	30	30			F-5	4
35	ATMF-BO5	V block: 1. Neurobiology 2. Higher Nervous System Physiology 3. Pathophysiology	4	180	120	45	30	15			F-5	3
36	ATMF-BO6	VI block: 1. Applied Genetics 2. Ecological Genetics 3. Medical Biology	5	150	105	45	30	15			S-6	3
37	ATMF-BO7	VII block: 1. Microbiology of Food Products 2. Industrial Microbiology 3. Food Safety	4	120	75	45	30	15			S-6	3
38	ATMF-BO8	VIII block: 1. Marine Flora 2. Ichthyology 3. Oceanology	4	120	75	45	30	15			S-6	3
39	ATMF-BO9	IX block: 1. Photosynthesis 2. Virology 3. Parasitology	6	180	120	60	30	30			F-7	4
40	ATMF -B10	X block: 1. Membranology 2. Nanobiotechnology 3. Genetic Engineering	5	150	190	60	30	30			F-7	4
41	ATMF-B11	XI block: 1. Gerontology 2. Genomics and Epigenetics 3. Human Genetics	5	150	90	60	30	30			F-7	4
42	ATMF-B12	XII block: 1. Proteomics 2. Cell Biology 3. Systems Biology	4	120	75	45	30	15			F-7	3
44		Internship	21								S-8	
45		Thesis	9								S-8	
		Total	240									

III. TIME FOR TRAINING

Academic year	Theoretical training	Exam session	Internship	Final state attestation	Vacation
I	30	10			10
II	30	10			12
III	30	10			12
IV	15	5	14	6	4
Total	105	35	14	6	38

	I semester	II semester	III semester	IV semester	V semester	VI semester	VII semester	VIII semester
Weekly workload	22	23	22	23	23	22	23	
Number of Exams	6	5	5	6	6	7	6	
Number of credits	30	30	30	30	30	30	30	30

NOTE: The curriculum prepared based on the educational program approved in 2012 has been adapted to the "Rules for the Organization of Education with the Credit System at the Bachelor's and Master's Levels of Higher Education Institutions" approved by the Resolution No. 348 of the Cabinet of Ministers of the Republic of Azerbaijan dated December 24, 2013.

Head of the Center for Organization and Management of Education:
 _____ PhD in phylosofy.,P.Akhundov
 «_____» _____ 2023

It was approved at the meeting of Scientific Council of WCU
 " _____ " dated 2023 (Protocol No.)