

I confirm: _____
Western Caspian University
Executive Vice-Rector
 " ____ " _____ 2023

Code and name of the specialty: 050501 Biology
Study Period: 4 years (8 semesters)

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	30				
I	=	=																	::	::	::	::	::	::	=	=													::	::	::	::	::	::	=	=	=	=	=	=	=	=				
II	=	=																	::	::	::	::	::	::	=	=													::	::	::	::	::	::	=	=	=	=	=	=	=	=				
III	=	=																	::	::	::	::	::	::	=	=													::	::	::	::	::	::	=	=	=	=	=	=	=	=				
IV	=	=																	::	::	::	::	::	::	=	=	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	//	//	//	//	//	//								

Symbols : THEORETICAL TRAINING INTERNSHIP EXAMINATION SESSION
VACATION CERTIFICATION

A sequence of five boxes connected by arrows, representing a sequence of operations: an empty box, a box with 'X', a box with four dots, a box with '//', and a box with '='.

II. Academic Teaching plan

.	Subject code	Subject name	Credit number	Total hours	Non curricular hours	Classroom hours	Including			Prerequisite (first teaching necessary) code of subjects	Teaching the subject intended semester held (autumn or spring)	Weekly class course
							Lecture	Seminar	Laborator			
1	2	3	4	5	6	7	8	9	10	11	12	13
	GS - B 00	GENERAL SUBJECTS	24	720	405	330	30	300				22
1	GS- B 01	History of Azerbaijan	5	150	90	60	30	30			spring-4	4
2	GS -B 0 2.01	Business and academic communication in a foreign language -1	7	210	105	105		105			fall-1	7
3	GS-B02 .02	Business and academic communication in a foreign language -2	8	240	135	120		120		UF-B02 .01	spring-2	8
5	GS – B0 3	Business and academic communication in Azerbaijani	4	120	75	45		45			fall-1	3
	GSN - B 0 0	Elective subjects	6	180	120	60	30	30				4
6	GSC-B04	First block 1.Philosophy 2. Introduction to multiculturalism 3.Sociology 4. The 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	GSC-B05	Second block 1. Application of information technologies in biology 2. Information management and database creation 3. Fundamentals of entrepreneurship and introduction to business 4.Political Science	3	90	60	30	15	15			spring 4	2
	SS-BOO	SPECIALIZED SUBJECTS	120	3660	2330	1335	705	305	325			
8	SS-BO1	Mathematics and biostatistics for biological sciences	5	150	105	45	30	15			fall-1	3
9	SS-BO 2	Physics	5	150	105	45	30	10	5		fall-1	3
10	SS-BO 3	Chemistry	5	150	105	45	30	10	5		spring-2	3
11	SS-BO4	Cytology and histology	6	180	120	60	30	0	30		fall-1	4
12	SS-BO5	Personal development and evolution	5	150	90	60	30	15	15		fall-5	4
13	SS-BO 6	Morphology and anatomy of plants	5	150	90	60	30	0	30		spring-2	4
14	SS-BO 7	Primitive plants and fungi	5	210	170	60	30	0	30		spring-2	4
15	SS-BO 8	Higher plants	5	150	90	60	30	0	30		fall-3	4
16	SS-BO9	Invertebrates	5	150	90	60	30	0	30		fall-3	4
17	SS-B1 0	Vertebrates	5	150	90	60	30	0	30		Spring-4	4
18	SS-B1 1	Human anatomy and physiology	7	210	135	60	30	30	0		spring-2	4
19	SS-B1 2	Biochemistry	5	150	90	60	30	30	0		spring-4	4
20	SS-B1 3	Biodiversity	5	150	90	60	30	30	0		spring-6	4
21	SS-B1 4	Microbiology	5	150	90	60	30	0	30		fall-5	4
22	SS-B1 5	Plant physiology	5	150	90	60	30	0	30		fall-5	4

23	SS-B1 6	Genetics	7	210	135	75	45	0	30		spring-4	5
24	SS-B1 7	Enzymology	5	150	90	60	30	30	0		fall-5	4
25	SS-B 1 8	Immunology	5	150	90	60	30	30	0		spring-6	4
26	SS-B19	Molecular biology	7	210	135	75	45	30	0		spring-6	5
27	SS-B20	Bioinformatics	5	150	90	60	30	30	0		fall-7	4
28	SS-B21	Biotechnology	5	150	90	60	30	30	0		fall-7	4
29	SS-B22	Biophysics	5	150	90	60	30	0	30		spring-4	4
30	SS-B23	Civil defense	3	90	60	30	15	15	0		fall-1	2
	VSS-BOO	Vocational Training subjects by speciality	60	1800	1300	645	330	315				
31	VSS -BO1	Block I: 1. Specific foreign language 2. Academic writing and reading 3.Latin language	6	180	120	60	0	60			fall-3	4
32	VSS -BO2	Block II : 1. Geobotany 2.Hydrobiology 3.Hydrochemistry	6	120	120	60	30	30			fall-3	4
33	VSS BO3	VSS III block : 1. Azerbaijani medicinal plants 2. Flora and fauna of Azerbaijan 3. Industrially important plants	5	150	90	60	30	30			fall-3	4
34	VSS -BO4	VSS IV block: 1. Biochemistry of hormones 2.Functional biochemistry 3.Endocrinology	6	180	120	60	30	30			fall-5	4
35	VSS -BO5	VSS V block: 1. Neurobiology 2. Peripheral nervous physiology 3. Pathophysiology	4	180	120	45	30	15			fall-5	3
36	VSS -BO6	VSS VI block: 1. Applied genetics 2. Ecological genetics 3. Medical biology	5	150	105	45	30	15			spring-6	3
37	VSS -BO7	VSS block VII: 1. Microbiology of food products 2. Industrial microbiology 3. Food safety	4	120	75	45	30	15			spring-6	3
38	VSS -BO8	VSS VIII block: 1. Marine flora 2. Ichthyology 3. Oceanology	4	120	75	45	30	15			spring-6	3
39	VSS -BO9	VSS IX block: 1.Photosynthesis 2.Virology 3.Parasitology	6	180	120	60	30	30			autumn-7	4
40	VSS -B10	VSS X block: 1. Membranology 2. Nanobiotechnology 3. Genetic engineering	5	150	190	60	30	30			fall-7	4
41	VSS -B11	VSS XI block: 1. Gerontology 2. Genomics and epigenetics 3. Human genetics	5	150	90	60	30	30			fall-7	4
42	VSS -B12	VSS XII block: 1. Proteomics 2. Cell biology 3. Systems biology	4	120	75	45	30	15			fall-7	3
44		Experience	21								Spring-8	
45		Graduation work	9								Spring-8	
		TOTAL	240									

III. DURATION OF TRAINING

Education year	Theoretical training	Exam	Practice	YDA	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

	First semester	Second semester	Third semester	4th semester	Fifth semester	6th semester	Seventh semester	8th semester
Weekly work load	22	23	22	23	2 3	2 2	23	
Examinations number	6	5	5	6	6	7	6	
Credits number	30	30	30	30	30	30	30	30

Organization and management of education

Head of the center: Resolution of the Scientific Council of the State University of Science and Technology "_____ " dated 2023

_____ approved at the meeting of Ph.D., P.Akhundov (Minutes No.

"_____ " _____ 2023