

MINISTRY OF SCIENCE AND EDUCATION
REPUBLIC OF AZERBAIJAN
WESTERN CASPIAN UNIVERSITY

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

Code and name of the specialty: 060505 – Biology
Name of specialization: Genetics
Study Period: 2 year (4 semester)

" _____ " _____ 2022

CURRICULUM
(for Master's level)

I. ACADEMIC SCHEDULE

Semester	September			October			November			Dekabr			January			February			March			April			May			June			July			August			
I	=	=										::	::	::	::	::	=	=									::	::	::	::	::	=	=	=	=	=	=
II	=	=										::	::	::	::	::	=	=	x	x	x	x	x	x	x	x	/	/	/	/	/	/	/	/	/	/	

Symbols :

THEORETICAL TRAINING	INTERNSHIP	EXAMINATION SESSION	STATE FINAL CERTIFICATION	HOLIDAY
	x	::	//	=

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 (Fall or spring)	Weekly class load
							Lecture	Seminar	Laboratory			
	MHF – B00	Humanities	14	420	315	105	35	70				
1	MHF – B01	Foreign language	6	180	135	45		45			1-fall	3
2	MHF – B02	Higher school pedagogy	4	120	90	30	15	15			3-fall	2
3	MHF – B03	Psychology	2	60	45	15	10	5			2-spring	1
4	MHF – B04	Major Elective Subject: 1. Economy 2. Philosophy	2	60	45	15	10	5			3-fall	1
	MİF – B00	Speciality (specialization) subjects	10	300	225	75	40	35				
5	MİF-B01	Modern problems of biology	4	120	90	30	15	15		MİF-B02	1-fall	2
6	MİF-B02	History and methodology of biology	2	60	45	15	10	5			1-fall	1
7	MİF – B03	AMTSF: Biotechnology and genetic engineering	4	120	90	30	15		15		2-spring	2
	MİF-B04	Major Specialization subjects-MSS	42	1260	945	315	180	135				
8	MİF-B04.01	Molecular biometrics	4	120	90	30	15	15			1-fall	2
9	MİF-B04.02	Molecular genetics	6	180	135	45	30	15			2-spring	3
10	MİF-B04.03	Genomics	6	180	135	45	30	15			2-spring	3
11	MİF-B04.04	Cytogenetics	6	180	135	45	30	15			1-fall	3
12	MİF-B04.05	Bioinformatics	4	120	90	30	15	15			2-spring	2
13	MİF-B04.06	Methodology of scientific research	8	240	180	60	30	30			3-fall	4
14	MİF-B04.07	Immunogenetics	8	240	180	60	30	30			3-fall	4
	MİF-B05	Elective subject-ES	20	720	540	180	90	90				
15	MİF-B05.01	I block: - Biological diversity Molecular biology of the cell	8	240	180	60	30	30			1-fall	4
16	MİF-B05.02	II block: - Population genetics Transcriptomics and proteomics	8	240	180	60	30	30			2-spring	4
17	MİF-B05.03	III block: 1. Human genetics 2. Microorganism genetics 3. Biostatistical programs	8	240	180	60	30	30			3-fall	4
	MET – B00	Scientific research works	30									
18	MET – B01	Scientific research internship	6								4-Spring	
19	MET – B02	Scientific pedagogical internship	6								4-Spring	
20	MET – B03	Preparation an defense of dissertation work	18								4-Spring	
		Total	120									

1 week of the internship period is 1.5 credits.

I. TIME FOR TRAINING

Education year	Theoretical training	Exam	Internship	SFC	Holiday
I	30	10			10
II	15	5	8	12	4
Total:	45	15	8	12	14

	1 st semester	2 nd semester	3 rd semester	4 th semester
Weekly class load	15	15	15	-
Examinations number	7	6	5	-
Credits number	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.

Director of the Center for Organization and Management of Education:

_____ PhD, P. Akhundov

« _____ » _____ 2022

Scientific Council of WCU « _____ »

Approved at the meeting of _____ dated in the year 2022

(Protocol No. _____).