

MINISTRY OF SCIENCE AND EDUCATION OF THE REPUBLIC OF AZERBAIJAN
WESTERN CASPIAN UNIVERSITY

I approve:
Executive Vice-Rector of
Western Caspian University R.H. Bagirov

Code and name of the specialty: 060505 – Biology
Name of specialization: Genetics

Duration of study :2 year (4 semester)

“ _____ ” _____ **2022-ci il**

CURRICULUM
(for Master's level)

I. TEACHING PROCESS SCHEDULE

	September	October	November	Dekabr	January	February	March	April	May	June	July	August
I	=	=										
II	=	=										

CONDITIONAL SIGNS:

THEORETICAL STUDY

EXAM SESSION

INTENSHP

FINAL STATE ATTESTATION

VACATION



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 (fall or spring)	Weekly workload
							Lecture	Seminar, training	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 biomethods	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
		Total	90	2700	2025	675	345	330	15			

1 week of the internship period is 1.5 credits.

III. TIME FOR TRAINING

Academic year	Theoretical training	Exam session	Internship	Final state attestation	Vacation
I	30	10			10
II	15	5	8	12	4
Total:	45	15	8	12	14

	I semester	II semester	III semester	IV semester
Weekly workload	15	15	15	-
Number of Exams	7	6	5	-
Number of credits	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.

Vice-Rector for Academic Affairs:

It was approved at the meeting of Scientific Council of WCU

" _____ " dated 2022 (Protocol No.)

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