

ODLAR YURDU UNIVERSITY

2024/2025 Academic Year

CURRICULUM SCHEDULE

Specialty: 050501 - Biology					
№	Subject Name	Semester	Credit	Classroom Workload	Hours
1.	Chemistry	1	5	4	15/15/30
2.	Business and Academic Communication in a Foreign Language - 1	1	5	4	/60
3.	Mathematics and Biostatistics for Biological Sciences	1	5	3	30/15
4.	Physics	1	5	4	30/15/15
5.	Cytology and Histology	1	6	4	30/30
6.	Elective Subject:	1	4	3	30/15
	- Psychology				
	- Genomics				

	Total		30 Credits	22	
7.	History of Azerbaijan	2	5	3	30/15
8.	Business and Academic Communication in a Foreign Language - 2	2	5	4	/60
9.	Business and Academic Communication in the Azerbaijani Language	2	4	3	/45
10.	Civil Defense	2	3	2	30/
11.	Individual Development and Evolution	2	5	3	30/15
12.	Plant Morphology and Anatomy	2	5	4	30/30
13.	Elective Subject:	2	3	3	30/15
	- Molecular Basis of Ontogenesis				
	- Biometrics				
	Total		30 Credits	22	

14.	Business and Academic Communication in a Foreign Language - 3	3	5	4	/60
15.	Elective Subject:	3	3	3	30/15
	- Geobotany				
	- Ornithology				
16.	Elective Subject:	3	3	2	15/15
	- Multiculturalism				
	- Sociology				
17.	Primitive Plants and Fungi	3	5	3	30/15
18.	Invertebrate Animals	3	5	3	30/15
19.	Human Anatomy and Physiology - 1	3	4	3	15/30
20.	Biodiversity	3	5	4	30/30
	Total		30 Credits	22	
21.	Elective Subject:	4	3	3	/45

	- Business English				
	- Constitution of the Republic of Azerbaijan and Fundamentals of Law				
22.	Higher Plants	4	5	3	30/15
23.	Human Anatomy and Physiology - 2	4	3	3	15/30
24.	Elective Subject:	4	3	3	30/15
	- Application of Information Technologies in Biology				
	- Information Management and Database Creation				
25.	Vertebrate Animals	4	5	3	30/15
26.	Plant Physiology	4	5	3	30/15
27.	Elective Subject:	4	6	4	30/15/15
	- Soil Science				
	- Bioethics				

	Total		30 Credits	22	
28.	Bioinformatics	5	5	3	30/15
29.	Biophysics	5	5	4	30/15/15
30.	Biochemistry	5	5	4	30/15/15
31.	Elective Subject:	5	4	3	30/15
	- Medical Biology				
	- Embryology				
32.	Elective Subject:	5	4	3	30/15
	- Secondary Metabolites of Plants				
	- Photosynthesis				
	- Parasitology				
33.	Genetics	5	7	5	30/30/15
	Total		30 Credits	22	

34.	Enzymology	6	5	3	30/15
35.	Molecular Biology	6	7	5	30/30/15
36.	Microbiology	6	5	4	30/15/15
37.	Elective Subject:	6	4	3	30/15
	- Flora of Azerbaijan				
	- Comparative Histology				
38.	Elective Subject:	6	4	3	30/15
	- Industrial Microbiology and Biotechnology				
	- Ichthyology				
39.	Elective Subject:	6	5	4	30/30
	- Biogeography				
	- Kinetics of Biological Processes				
	Total		30 Credits	22	

40.	Immunology	7	5	4	30/15/15
41.	Biotechnology	7	5	4	30/15/15
42.	Elective Subject:	7	5	4	30/30
	- Chemistry of Biogenic Elements				
	- Virology				
	- Bioenergetics				
43.	Elective Subject:	7	5	3	30/15
	- Bioorganic Chemistry				
	- Fauna of Azerbaijan				
	- Biology and Economics				
44.	Elective Subject:	7	5	4	30/30
	- Radiobiology				
	- Chronobiology				
45.	Elective Subject:	7	5	3	30/15

	- General Ecology				
	- Cell Biology				
	Total		30 Credits	22	
	Internship	8	21		
	Graduation Thesis	8	9		
	Total		30 Credits		