



Republic of Iraq - Ministry of Higher Education and Scientific Research  
 University of Mosul  
 Bachelor's degree in Biology (First cycle)  
 Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr  
 Program Curriculum (2025 - 2026)



Level	Semester	No.1	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW L hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
One	1	Bio-1101	General Zoology	English	2	2	3				3	108	92	200	8.00	C		
	2	Bio-1102	Analytical Chemistry	English	2	2	3				3	108	92	200	8.00	C		
	3	Sci-101	Mathematics	English	2						3	33	17	50	2.00	B		
	4	Bio-1103	Biophysics	English	2	2	3				3	108	92	200	8.00	C		
	5	UOM104	Democracy and Human Rights	Arabic	2						3	33	17	50	2.00	B		
	6	UOM101	Arabic Language1	Arabic	2						3	45	5	50	2.00	B		
			Total		12	7	9	0	0	0	18	435	315	750	30.00			
UGI	Semester	No.2	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW L hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Two	1	Bio-1204	General Botany	English	2	2	3				3	108	92	200	8.00	C	
		2	Bio-1205	Organic Chemistry	English	2	2	3				3	108	92	200	8.00	C	
		3	Bio-1206	Biostatistics	English	2	2					3	63	62	125	5.00	C	
		4	Bio-1207	Safety and bioscurity	Arabic	2	2					3	63	37	100	4.00	C	
5		UOM103	Computer Science1	English	2		2				3	63	12	75	3.00	B		
6		UOM102	English Language 1	English	2	1					3	45	5	50	2.00	B		
			Total		12	9	8	0	0	0	18	450	300	750	30.00			
Three	1	Bio-2308	Entomology I	English	2		3				3	78	47	125	5.00	C		
	2	Bio-2309	Plant Anatomy	English	2		3				3	78	47	125	5.00	C		
	3	Bio-23010	Invertebrates	English	2	1	3				3	79	71	150	6.00	C		
	4	Bio-23011	Biochemistry I	English	2		3				3	78	47	125	5.00	C		
	5	Bio-23012	Microbiology I	English	2		3				3	78	47	125	5.00	C		
	6	UOM2050	Crimes of the Baath party	Arabic	2						3	33	17	50	2.00	B		
	7	UOM2012	Arabic Language 2	Arabic	2						3	33	17	50	2.00	B		
			Total		12	1	15	0	0	0	21	457	293	750	30.00			
UGII	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW L hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
	Four	1	Bio-24113	Entomology II	English	2		3				3	78	22	100	4.00	C	Bio-2308
		2	Bio-24114	Plant Taxonomy	English	2		3				3	78	22	100	4.00	C	Bio-2309
		3	Bio-24115	Parasitology	English	2		3				3	78	22	100	4.00	C	Bio-23010
		4	Bio-24116	Biochemistry II	English	2		3				3	78	22	100	4.00	C	Bio-23011
		5	Bio-24117	Microbiology II	English	2		3				3	78	47	125	5.00	C	Bio-23012
		6	Bio-24018	Plant Groups	English	2		3				3	78	22	100	4.00	C	
7		UOM2032	Computer Science2	English	2		2				3	63	12	75	3.00	B		
8		UOM2022	English Language 2	English	2						3	33	17	50	2.00	B		
			Total		16	0	20	0	0	0	24	564	186	750	30.00			
Level	Semester	No.	Module	Module Name in English	Language	SSWL (hr/w)						Exam	SSWL	USSW L	SWL	ECTS	Module	Prerequisite

Level	Semester	No.	Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW I hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
						CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGII	Five/BIOLOGY	1	Bio1-35019	Cell Biology	English	2		3				3	78	47	125	5.00	C	
		2	Bio1-35020	Ecology	English	2		3				3	78	47	125	5.00	C	
		3	Bio1-35021	Biotechnology	English	2		3				3	78	47	125	5.00	C	
		4	Bio1-35022	Mycology I	English	2		3				3	78	47	125	5.00	C	
		5	Bio1-35023-L Bio1-35023-A	Elective (Laboratory analysis + Applied and Econom	English	2		3				3	78	47	125	5.00	C	
		6	Bio1-35024	Mycotoxins	English	2		3				3	78	47	125	5.00	C	
							Total	12	0	18	0	0	5	18	468	282	750	30.00
UGIII	Six/BIOLOGY	1	Bio1-36025	Plant Pathology	English	2		3				3	78	72	150	6.00	C	
		2	Bio1-36026	Histology	English	2		3				3	78	72	150	6.00	C	
		3	Bio1-36027-D Bio1-36027-E	Elective (Diagnostic parasite + Endocrinology)	English	2		3				3	78	72	150	6.00	C	
		4	Bio1-36128	Pollution	English	2	1	2				3	64	36	100	4.00	C	Bio1-35020
		5	Bio1-36129	Genetics	English	2		3				3	78	47	125	5.00	C	Bio1-35019
		6	Bio1-36030	Allelopathy	English	2		2				3	63	12	75	3.00	C	
							Total	12	1	18	4	0	4	18	439	311	750	30.00
UGIV	Five/Microbiology	1	Bio2-35019	Soil Microbiology	English	2		3				3	78	47	125	5.00	C	
		2	Bio2-35020-L Bio2-35020-C	Elective (Laboratory Analysis + Diagnostic paras	English	2		3				3	78	47	125	5.00	C	
		3	Bio2-35021	Histology	English	2		3				3	78	47	125	5.00	C	
		4	Bio2-35022	Ecology	English	2		3				3	78	47	125	5.00	C	
		5	Bio2-35023	Cell Biology	English	2		3				3	78	47	125	5.00	C	
		6	Bio2-35024	Classification and Bacterial groups	English	2		3				3	78	47	125	5.00	C	
							Total	12	0	18	0	0	0	18	468	282	750	30.0
UGIV	Six/Microbiology	1	Bio2-36025	Water Microbiology	English	2		3				3	78	47	125	5.00	C	
		2	Bio2-36026	Bacterial Physiology	English	2		3				3	78	47	125	5.00	C	
		3	Bio2-36027	Animal Physiology	English	2		3				3	78	47	125	5.00	C	
		4	Bio2-36128	Pollution	English	2	1	2				3	78	47	125	5.00	C	Bio2-35022
		5	Bio2-36129	Genetics	English	2		2				3	78	47	125	5.00	C	Bio2-35023
		6	Bio2-36030-A Bio2-36030-C	Elective (Antibiotics + Mycotoxins)	English	2		3				3	78	47	125	5.00	C	
							Total	12	1	16	0	0	0	18	468	282	750	30.0
UGIV	Seven/BIOLOGY	1	Bio1-47031	Animal Physiology 1	English	2	1	3				3	79	71	150	6.00	C	
		2	Bio1-47032	Plant Physiology 1	English	2		3				3	78	47	125	5.00	C	
		3	Bio1-47033	Embryology	English	2	1	3				3	79	71	150	6.00	C	
		4	Bio1-47034	Quantitative Genetics	English	2	1	3				3	79	71	150	6.00	C	
		5	Bio1-47035	Molecular biology	English	2		3				3	78	47	125	5.00	C	
		6	Bio1-47036	Research Methodology	English	2						3	33	17	50	2.00	C	
							Total	12	5	15	0	0	0	18	426	324	750	30.0

Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
					CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
Eight/BI OLOGY	1	Bio1-48137	Animal Physiology 2	English	2	1	3				3	79	71	150	6.00	C	Bio1-47031	
	2	Bio1-48138	Plant Physiology 2	English	2	1	3				3	79	71	150	6.00	C	Bio1-47032	
	3	Bio1-48039	Comparative Anatomy	English	2	1	3				3	79	71	150	6.00	C		
	4	Bio1-48040	Biodiversity	English	2	1	3				3	79	71	150	6.00	C		
	5	Bio1-48041	Immunology	English	2		3				3	78	22	100	4.00	C		
	6	Bio1-48142	Research Project	English	2						3	33	17	50	2.00	C	Bio1-47036	
Total					12		15	0	0	0	18	427	323	750	30.0			
Level	Semester	No.	Module Code	Module Name in English	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
Seven/MI CROBIO LOGY	1	Bio2-47031	Immunology	English	2	1	3				3	79	71	150	6.00	C		
	2	Bio2-47032	pathogenic Bacteriology	English	2	1	3				3	79	71	150	6.00	C		
	3	Bio2-47033	Food Microbiology	English	2		3				3	78	47	125	5.00	C		
	4	Bio2-47034	Mycology	English	2		3				3	78	47	125	5.00	C		
	5	Bio2-47035	Enzymology	English	2	1	3				3	79	71	150	6.00	C		
	6	Bio2-47036	Research Methodology	English	2						3	33	17	50	2.00	C		
Total					12	3	15	0	0	0	18	426	324	750	30.0			
UGIV Eight/MI CROBIO LOGY	1	Bio2-48037	Microbial Genetics	English	2	1	3				3	79	71	150	6.00	C		
	2	Bio2-48038	Virology	English	2	1	3				3	79	71	150	6.00	C		
	3	Bio2-48139	Industrial Microbiology	English	2	1	3				3	79	71	150	6.00	C	Bio2-47033	
	4	Bio2-48140	Fungal Taxonomy	English	2		3				3	78	47	125	5.00	C	Bio2-47034	
	5	Bio2-48041	Molecular biology	English	2		3				3	78	47	125	5.00	C		
	6	Bio2-48142	Research Project	English	2						3	33	17	50	2.00	C	Bio2-47036	
Total					12	3	15	0	0	0	18	426	324	750	30.0			
Total					100	24	116	0	0	0	153	3694	2306	6000	240.0		Must be 240 ECTS	
Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree																		
Structured SWL (hr/w) type	CL	Class Lecture	Module type	B	Basic learning activities	SWL:	Student Workload											
	Lab	Laboratory		C	Core learning activity		SSWL:	Structured SWL										
	Pr	Practical Training					USSWL:	Unstructured SWL										
	Tut	Tutorial																
Lect	Online lecture																	
Sem	Seminar																	
Note: Columns O, Q and R are prograemd, protected and should not be edited																		

