

Department: biology

The bachelor's degree curricula

First Year/ First Term									
Semester	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)				ECTS
					CL (hr/w)	Lab (hr/w)	Tut (hr/w)	Semn (hr/w)	
One	Bio-111	General Zoology	علم الحيوان العام	English	2	2	1	1	8.00
	CoS-111	General Mathematics	الرياضيات العامة	English	2		2		5.00
	CoS-112	Analytical Chemistry	كيمياء تحليلية	English	2	2	1	1	7.00
	CoS-113	Biophysics	فيزياء حياتية	English	2	2			6.00
	UoA-111	Human Rights and Freedoms	حقوق انسان و الحريات	Arabic	2				2.00
	UoA-112	Arabic Language (1)	اللغة العربية (1)	Arabic	1			1	2.00
					Total	11	6	4	3

First Year/ Second Term									
Semester	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)				ECTS
					CL (hr/w)	Lab (hr/w)	Tut (hr/w)	Semn (hr/w)	
Two	Bio-121	General Botany	علم النبات العام	English	2	2	1	1	8.00
	Bio-122	Safety and biosecurity	السلامة والامن البيولوجي	Arabic	2			1	4.00
	CoS-121	Biostatistics	احصاء حياتي	English	2		2		6.00
	CoS-122	Organic Chemistry	كيمياء عضوية	English	2	2	1		7.00
	UoA-121	Computer Science	علم الحاسوب	English	1	2			3.00
	UoA-122	English Language (1)	اللغة الإنكليزية (1)	English	2			1	2.00
					Total	11	6	4	3

Second Year/ First Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	General Microbiology 1	2	2	3
	Biochemistry 1	2	2	3
	Plant anatomy	2	2	3
	Invertebrates	2	2	3
	Baath Party Crimes	2		2

	Entomology	2	2	3
	Plant groups	2	2	3

Second Year/ Second Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	General Microbiology 2	2	2	3
	Biochemistry 2	2	2	3
	Insect Taxonomy	2	2	3
	Parasitology	2	2	3
	Plant Taxonomy	2	2	3
	English Language	2		2

Third Year/ First Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	Cell Biology	2	2	3
	Microbial Physiology	2	2	3
	Histology	2	2	3
	Ecology	2	2	3
	Plant Physiology	2	2	3
	English Language	2	-	2
	Mycology	2	2	3

Third Year/ Second Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	Genetics	2	2	3
	Soil and Water Microbiology	2	2	3
	Animal physiology	2	2	3
	Environmental pollution	2	2	3
	Immunology	2	2	3
	Fungi Taxonomy	2	2	3
	Research Method	1	-	1

Fourth Year/ First Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	Food Microbiology	2	2	3
	Biotechnology and Genetic Engineering	2	2	3
	Biodiversity and Evolution	2	2	3

	Pathogenic Bacteria	2	2	3
	Molecular Biology	2	2	3
	Selective course	2	2	3
	English Language	2	-	2
	Research Project	-	2	1

Fourth Year/ Second Term				
Course No.	Topics	Hours		Credits
		Theoretical	Practical	
	Industrial Microbiology	2	2	3
	Chordates	2	2	3
	Virology	2	2	3
	Microbial Genetics	2	2	3
	Selective course	2	2	3
	Antibiotics	2	2	3
	Endocrinology	2	2	3
	Research Project	-	2	1