



Study Plan
for the Bachelor of Science in Biology
(B. Sc.)
Biology Department
Faculty of Science and Arts in Qilwa
(133 credited hours)



1438-1439
(2017-2018)

The Study Plan for the Bachelor of Science in Biology**First year****Level (1)****No. of Courses: 6**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
11030119	English (1)	6	-	3	-	University Prerequisite
42041103	Calculus (1)	4	-	4	-	Faculty Prerequisite
42011103	General Biology	3	2	4	-	Faculty Prerequisite
11020204	Health Education	1	-	1	-	University Prerequisite
11010101	Islamic Culture (1)	2	-	2	-	University Prerequisite
18091501	Arabic Editing	2	-	2	-	University Prerequisite
	Total	18	2	16	-	

Level (2)**No. of Courses: 5**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
11030219	English (2)	6	-	3	11030119	University Prerequisite
42032102	General Physics (1)	3	2	4	-	Faculty Prerequisite
42020102	General Chemistry(2)	3	2	4	-	Faculty Prerequisite
11020107	Holly Quran	2	-	2	-	University Prerequisite
11010111	Islamic Culture (2)	2	-	2	-	University Prerequisite
	Total	16	4	15	-	

Second year**Level (3)****No. of Courses: 7**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011220	Specialized English Language for Biology	2	-	2	(11030219)	University Compulsory
42011211	Plant Morphology	2	2	3	-	Major Prerequisite
42011213	Invertebrates	2	2	3	-	Major Prerequisite
42011215	Bacteriology	2	2	3	-	Major Prerequisite
42011217	Cytology	2	2	3	-	Major Prerequisite
42011219	Fundamentals of Ecology	2	2	3	-	Major Prerequisite
11010113	Voluntary service (1)	-	-	-	-	University Prerequisite
	Total	12	10	17		

Level (4)**No. of Courses: 7**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011210	Genetics	2	2	3	(42011217)	Major Prerequisite
42011212	Plant anatomy	2	2	3	(42011211)	Major Prerequisite
42011214	Histology	2	2	3	(42011217)	Major Prerequisite
42021216	Organic Chemistry	2	2	3	(42020102)	Major Prerequisite
42011216	Mycology	2	2	3	-	Major Prerequisite
42011218	General Entomology	2	2	3	(42011213)	Major Prerequisite

11010123	Voluntary service (2)	-	-	-	-	University Prerequisite
	Total	12	12	18		

Third year**Level (5)****No. of Courses: 7**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011313	Plant Physiology	2	2	3	(42011212)	Major Prerequisite
42011315	Chordata	1	2	2	-	Major Prerequisite
11010112	Research and Essay Writing Skills	2	-	2	-	University Prerequisite
42011317	Virology	2	2	3	-	Major Prerequisite
42011319	Phycology	2	2	3	-	Major Prerequisite
42011321	Archegoniates	1	2	2	-	Major Prerequisite
42011323	Parasitology	2	2	3	(42011213)	Major Prerequisite
	Total	12	12	18		

Level (6)**No. of Courses: 7**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011314	Animal Physiology	2	2	3	(42011214)	Major Prerequisite
42011316	Plant Ecology	1	2	2	(42011219)	Major Prerequisite
42021336	Biochemistry	2	2	3	(42021216)	Major Prerequisite

42011318	Microbial Ecology	1	2	2	(42011219)	Major Prerequisite
42041322	Biostatistics	1	2	2		Major Prerequisite
42011320	Taxonomy of Flowring Plants	2	2	3	(42011211)	Major Prerequisite
42011322	Molecular Biology	2	2	3	(42011210)	Major Prerequisite
	Total	11	14	18		

Fourth year

Level (7)

No. of Courses: 7

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011411	Immunology	1	2	2	(42011314)	Major Prerequisite
42011413	Graduation Research	1	2	2	Pass 85 hours	Major Prerequisite
42011415	Fauna of Saudi Arabia	2	2	3	(42011315)	Major Prerequisite
42011417	Biotechnology	1	2	2	(42011322)	Major Prerequisite
42011419	Ecology and Animal Behaviour	1	2	2	(42011219)	Major Prerequisite
42011421	Physiology of Microorganisms	1	2	2	(42011216) + (42011215)	Major Prerequisite
	Elective (1)	1	2	2	-	Major Elective
	Total	8	14	15		

Level (8)**No. of Courses: 6**

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
42011414	Environmental Pollution	2	2	3	(42011219)	Major Prerequisite
42011416	Applied Microbiology	2	2	3	(42011216) + (42011215)	Major Prerequisite
42011418	Metabolism	2	2	3	(42021336)	Major Prerequisite
42011420	Flora of Saudi Arabia	2	2	3	(42011320)	Major Prerequisite
42011422	Embryology	1	2	2	(42011315)	Major Prerequisite
	Elective (2)	1	2	2		Major Elective
	Total	10	12	16		

Elective Courses

Course Code	Course Title	Hours Distribution			Prerequisite	Type of Prerequisite
		Theorytical	Practical	Credit		
Elective (1)						
42011423	Techniques & Laboratory Instruments	1	2	2		Major Elective
42011425	Economic Plants	1	2	2	(42011211)	Major Elective
42011427	Tissue Culture	1	2	2	(42011313)	Major Elective
Elective (2)						
42011424	Phytogeography	1	2	2	(42011316)	Major Elective
42011426	Comparative Anatomy	1	2	2	(42011315)	Major Elective
42011428	Economic & Medical Entomology	1	2	2	(42011218)	Major Elective
	Total	6	12	12		