
KING FAISAL UNIVERSITY
College of Science
Biological Sciences Department



STUDY PLAN

BIOLOGY

2019

First Year											
First Level						Second Level					
Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite	Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite
0826101	General Biology	3				19xxxxx	University elective – Table 1	2			
0826111	General Biology Lab		1			7402102	Arabic Editing	2			
19xxxxx	University elective – Table 1	2				0827101	Calculus 1	3		1	
7402103	Literary Appreciation	2				0827102	Introduction to Computer Sciences	3			
0825101	General Chemistry 1	3				0827112	Introduction to Computer Sciences Lab		1		
0825111	General Chemistry 1 Lab		1			0824101	General Physics 1	3			
0827103	Introduction to Statistics	3		1		0824111	General Physics 1 Lab		1		
	Total	١٣	2	1	16		Total	13	2	1	16

Second Year											
Third Level						Fourth Level					
Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite	Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite
0826201	Cell Biology	2			.۸۲۶۱.۱	.۸۲۶۲05	Histology	2			.۸۲۶۲01
0826211	Cell Biology Lab		1			.۸۲۶۲۱۵	Histology Lab		1		
0826202	Invertebrates	2			.۸۲۶۱.۱	.۸۲۶۲.۶	General Microbiology	2			.۸۲۶۱.۱
0826212	Invertebrates Lab		1			.۸۲۶۲۱۶	General Microbiology Lab		1		
0826213	Lab Techniques		1			.۸۲۶.۷	Plant Morphology and anatomy	2			.۸۲۶۱.۱
0826204	Plant development and diversity	2			.۸۲۶۱.۱	.۸۲۶۲۱۷	Plant Morphology and anatomy Lab		1		
0826214	Plant development and diversity Lab		1			.۸۲۶۲.۸	General Genetics	2			.۸۲۶۱.۱
0825202	Organic Chemistry 1	3			0825101	.۸۲۶۲۱۸	General Genetics Lab		1		
0825212	Organic Chemistry 1 Lab		1		0825111	.۸۲۵۲.۷	Biochemistry	3			0825۲.۲
1900101	Creed and Doctrines	2				0825۲۱۷	Biochemistry Lab		1		0825212
	Total	11	۵		16	1900102	Islamic Culture	2			
							Total	13	5		18

Third Year											
Fifth Level						Sixth Level					
Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite	Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite
0826301	Comparative Vertebrate Anatomy	2			0826101	0826304	Entomology	2			0826202
0826311	Comparative Vertebrate Anatomy Lab		1			0826314	Entomology Lab		1		
0826302	Plant Taxonomy and Flora	2			0826207	0826305	Molecular Biology	2			0826208
0826312	Plant Taxonomy and Flora Lab		1			0826315	Molecular Biology Lab		1		
0826303	Microbial Physiology	2			0826206	0826306	Plant Physiology	3			0826207
0826313	Microbial Physiology Lab		1			0826316	Plant Physiology Lab		1		
0826xxx	Department elective - table 3	3				0826307	Animal Physiology	3			0826205
082Xxxx	College elective - table 2	3				0826317	Animal Physiology Lab		1		
	Total	12	3		15		Total	10	4		14
						0826399	Summer Training	3			81 Gained hours

Fourth Year											
Seventh Level						Eighth Level					
Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite	Course Number	Course Name	Lecture	Lab	Tutorial	Prerequisite
0826401	Plant Ecology	3			• ٨٢٦302	• ٨٢٦407	Animal Ecology and Behavior	2			• ٨٢٦307
0826411	Plant Ecology Lab		1			• ٨٢٦417	Animal Ecology and Behavior Lab		1		
0826402	Developmental Biology	2			• ٨٢٦305	• ٨٢٦408	Immunology	2			• ٨٢٦307
0826412	Developmental Biology Lab		1			• ٨٢٦418	Immunology Lab		1		
0826403	Parasitology	2			• ٨٢٦202	• ٨٢٦409	Economic Botany	2			• ٨٢٦302
0826413	Parasitology Lab		1			• ٨٢٦410	Medical Microbiology	2			• ٨٢٦404
0826404	Applied Microbiology	2			• ٨٢٦303	0826xxx	Department elective - table 3	3			
0826414	Applied Microbiology Lab		1			0826xxx	Department elective - table 3	3			
0826405	Plant Biotechnology	2			• ٨٢٦306		Total	14	2		16
0826415	Plant Biotechnology Lab		1								
0826406	Graduation Project	2			98 Gained hour						
	Total	١٣	5		18						

Table 1: Students must select two courses from the university elective courses		
Course number	Course title	Credits
1900103	Islamic Morals and Occupational Ethics	2
1900104	Studies in the Prophet's Biography	2
1900105	Medical Jurisprudence	2
1900106	Economy and Politics in Islam	2
1900107	Social System and Family Behavior	2
1900108	Management and Entrepreneurship	2
1900109	Health & Fitness	2
1900110	Research Skills	2
1900111	Volunteer Work	2
1900112	Medicine: Type and use	2
1900113	Human Rights in Islam	2
1900114	Food and Nutrition	2

Table 2: Students must select one course from the college elective courses					
Prerequisite	Lab	Practice	Lecture	Course Name	Course Number
0824101	-	-	3	Astronomy	0824426
-	-	1	2	Linear Algebra	0827204
0827103	-	-	3	Probability Theory	0827310
0825101	-	-	3	Analytical Chemistry	0825203
0825101	-	-	3	Inorganic Chemistry 1	0825208
-	-	-	3	Environment Chemistry	0825421

Table 3: Students must select three courses from department elective courses					
Prerequisite	Lab	Practice	Lecture	Course Name	Course Number
•۸۲۶۲۰۶	-	-	3	Microbial Genetics	0826320
•۸۲۶101	-	-	3	Bioinformatics	•۸۲۶۳۲۱
05•۸۲۶۲	-	-	3	Cell and Tissue Pathology	•۸۲۶۳۲۲
•۸۲۶۲۰۶	-	-	3	Microbial Ecology	•۸۲۶۳۲۳
•۸۲۶۲۰۷	-	-	3	Plant-organism Interactions	•۸۲۶۳۲۴
•۸۲۶۲۰۶	-	-	3	Petroleum Microbiology	•۸۲۶۳۲۵
•۸۲۶۴۰۱	-	-	3	Sustainable plant Ecology	•۸۲۶۴۲۰
•۸۲۶۳۰۴	-	-	3	Pest Control	•۸۲۶۴۲۱
•۸۲۶۳۰۵	-	-	3	Animal Biotechnology	•۸۲۶۴۲۲
•۸۲۶۲۳۶۲	-	-	3	Applied Botany	•۸۲۶۴۲۳