

Zoology Study Plan



Zoology Department

2018-1439H

Zoology Study Plan

1 st Semester (Common First Year)				
Course Code	Course Title	Pre-Req.	Co-Req.	Credits (Lect.- Exer.-Pract.)
ENG 104 or ENG 105 Or ENG 106	English Language	-	-	6
MATH 101	Differential Calculus	-	-	3
ENT 101	Entrepreneurship	-	-	1
CHEM 101	General Chemistry	-	-	4
ARAB 101	Written skills	-	-	2
Total of Credit Hours				16

2 nd Semester (Common First Year)				
Course Code	Course Title	Pre-Req.	Co-Req.	Credits (Lect.- Exer.-Pract.)
ENG 104 or ENG 105 Or ENG 106	English Language	-	-	6
CI 101	University Skills	-	-	3
CT 101	Computer Skills	-	-	3
STAT 101	Introduction to Statistics	-	-	3
CHS 101	Fitness and healthy culture	-	-	1
Total of Credit Hours				16

3 rd Semester				
Course code	Course Title	Pre-req.	Co-Req.	Credits (Lect. Exer. -Pract.)
Elective Islamic Culture Course (List A)		-	-	2 (2+0+0)
BCH 101	General biochemistry	-	-	4 (3+0+2)
BOT 102	General Botany	-	-	3 (2+0+2)
ZOO 103	Principles of General Zoology	-	-	3 (2+0+2)
GEO 105	Geology	-	-	2 (2+0+0)
MBIO 140	Microbiology	-	-	3 (2+0+2)
Total of Credit Hours				17

4 th Semester				
Course code	Course Title	Pre-req.	Co-Req.	Credits (Lect. Exer. -Pract.)
Elective Islamic Culture Course (List A)		-	-	2 (2+0+0)
PHYS 205	Biophysics	-	-	2 (2+0+0)
ZOO 212	Parasitology	ZOO 103	-	3 (2+0+2)
ZOO 242	Cell biology & Physiology		-	3 (2+0+2)
ZOO 305	Animal Modern Taxonomy		-	2 (2+0+2)
ZOO 332	General physiology		-	3 (2+0+1)
ZOO 352	Principles of genetics		-	2 (2+0+2)
Total of Credit Hours				17

5 th Semester					
Course code	Course Title	Pre-req.	Co-Req.	Credits (Lect. Exer. -Pract.)	
Elective Islamic Culture Course (List A)		-	-	2 (2+0+0)	
ZOO 245	Histology	ZOO 242	-	2 (2+0+2)	
ZOO 311	General Entomology	ZOO 305	-	3 (2+0+2)	
ZOO 320	Ichthyology		-	2 (1+0+2)	
ZOO 325	Ornithology		-	2 (1+0+2)	
ZOO 327	Herpetology		-	3 (2+0+2)	
ZOO 373	Terrestrial ecology		ZOO 103	-	2 (1+0+2)
Total of Credit Hours				16	

6 th Semester				
Course code	Course Title	Pre-req.	Co-Req.	Credits (Lect. Exer. -Pract.)
Elective Islamic Culture Course (List A)		-	-	2 (2+0+0)
ZOO 262	Microtechniques	ZOO 245	-	2 (1+0+2)
ZOO 317	Medical Arthropods	ZOO 311	-	3 (2+0+2)
ZOO 326	Mammology	ZOO 305	-	2 (1+0+2)
ZOO 342	Molecular biology	ZOO 242	-	2 (1+0+2)
ZOO 374	Aquatic ecology	ZOO 103	-	2 (1+0+2)
Elective Specialized Course (List B)		Variable	-	2
Elective Specialized Course (List B)		Variable	-	2
Total of Credit Hours				17

Summer Semester				
Course Code	Course Title	Pre- Requisite	Co- Requisite	Credits (Lect. Exer. -Pract.)
ZOO 465	Field studies	Finishing 34 Specialized Units	-	5(0+0+10)
Total of Credit Hours				5

7 th Semester				
Course Code	Course Title	Pre-Req.	Co-Req.	Credits (Lect. Exer. -Pract.)
ZOO 375	Pollution	ZOO 373 ZOO 374	-	2 (1+0+2)
ZOO 420	Comparative vertebrate anatomy	ZOO 325 ZOO 326	-	2 (1+0+2)
ZOO 423	Principles of descriptive embryology	ZOO 242	-	2 (1+0+2)
ZOO 432	Endocrinology	ZOO 332	-	2 (1+0+2)
ZOO 441	Histochemistry	ZOO 245 ZOO 262	-	2 (1+0+2)
ZOO 456	Bioinformatics	ZOO 342	-	2 (1+0+2)
ZOO 497	Applied Training in Zoology	-	-	2 (0+0+4)
Elective Specialized Course (List B)		Variable	-	2
Total of Credit Hours				16

8 th Semester				
Course Code	Course Title	Pre-Req.	Co-Req.	Credits (Lect. Exer. -Pract.)
ZOO 424	Principles of experimental embryology	ZOO 423	-	2 (1+0+2)
ZOO 425	Economic fishes and crustaceans	ZOO 320	-	2 (1+0+2)
ZOO 433	Immunology	ZOO 332	-	2 (1+0+2)
ZOO 461	Laboratory technology	ZOO 262	-	2 (0+0+4)
ZOO 471	Animal behavior	ZOO 373 ZOO 374	-	2 (1+0+2)
ZOO 498	Graduation project*	Finishing at least 95 credit hours		2 (0+0+4)
Elective Specialized Course (List B)		Variable	-	2
Elective Specialized Course (List B)		Variable	-	2
Total of Credit Hours				16

(Lect. - Exer. - Pract.) = (Lecture - Exercise - Practical)

Credit Hours (Actual Hours)

List A : Elective Islamic Culture Courses

(Student selects 8 credit hours)

Course Code	Course Title	Pre-requisite	Credits (Lect. – Exer. - Pract.)
IC 100	Studies in the Biography of the Prophet	-	2 (2+0+0)
IC 101	Introduction of Islamic Culture	-	2 (2+0+0)
		-	2 (2+0+0)
IC 103	Economic System in Islam	-	2 (2+0+0)
IC 104	Political system in Islam	-	3 (2+0+1)
IC 105	Human Rights	-	3 (2+0+1)
IC 106	Islamic Jurisprudence	-	2 (2+0+0)
IC 107	Ethics of Occupation	-	2 (2+0+0)
IC 108	Contemporary Issues	-	2 (2+0+0)
IC 109	Woman and Her Developmental Role	-	2 (2+0+0)

List B: Elective Specialized courses

(Student selects 10 Credit hours)

Elective courses from Zoology			
Course Code	Course Title	Pre-req.	Credits (Lect. Exre. – Pract.)
ZOO 355	Animal Wildlife Genetics	ZOO 352	2 (1+0+2)
ZOO 366	Management of fish culture	ZOO 320	2 (1+0+2)
ZOO 381	Economics of Aquaculture	ZOO 320	2 (1+0+2)
ZOO 382	Entomofauna of Saudi Arabia	ZOO 311	2 (1+0+2)
ZOO 412	Parasite Immunology	ZOO 212	2 (1+0+2)
ZOO 413	Entomology and Environmental-Health	ZOO 311	2 (1+0+2)
ZOO 434	Renal Physiology	ZOO 332	2 (1+0+2)
ZOO 435	Neurophysiology	ZOO 332	2 (1+0+2)
ZOO 436	Reproductive Physiology	ZOO 332	2 (1+0+2)
ZOO 455	Genetic Engineering	ZOO 342 ZOO 352	2 (1+0+2)
ZOO 457	Cytogenetics and Cell Culture	ZOO 242 ZOO 352	2 (1+0+2)
ZOO 458	Human Genetics	ZOO 342 ZOO 352	2 (1+0+2)
ZOO 462	Experimental parasitology	ZOO 212	2 (1+0+2)
ZOO 464	Biotechnology	ZOO 342	2 (1+0+2)
ZOO 466	Industrial Environmental Pollution	ZOO 375	2 (1+0+2)
ZOO 480	Wildlife Protection	ZOO 373	2 (1+0+2)
ZOO 481	Venomous Animals	ZOO 327	2 (1+0+2)
ZOO 482	Organic adaptations of Chordates	ZOO 325 ZOO 326	2 (1+0+2)
Total of Credit Hours			36