

SCHEME OF STUDIES FOR 4 YEAR BS/2 YEAR AD PROGRAMME
(Fall 2023 and Onwards)

Year	Semester	Category	Course Code	Course Title	Credit Hours
First	1st	Major-01	ZOO- 111	Principles of Animal life -I	3(2+1)
		Major-02	ZOO- 121	Animal Diversity-I (Invertebrates)	3(2+1)
		G. Ed.-01	ISL-101	Islamic Studies	2(2+0)
		G. Ed.-02	ENG-101	Functional English	3(3+0)
		G. Ed.-03	CS-101	Application of Information and Communication Technologies (ICT)	3(3+0)
		G. Ed.-04	ISL-102	Arts and Humanities	2(2+0)
					16
	2nd	Major-03	ZOO-112	Principles of Animal life -II	3(2+1)
		Major-04	ZOO-122	Animal Diversity- II (Vertebrates)	3(2+1)
		G. Ed.-05	PS-101	Ideology and Constitution of Pakistan	2(2+0)
		G. Ed.-06	ENG-104	Expository Writing	3(3+0)
		G. Ed.-07		Quantitative Reasoning-I	3(3+0)
		G. Ed.-08		Social Sciences	2(2+0)
					16
Second	3rd	Major-05	ZOO-213	Animal behavior	3(2+1)
		Major-06	ZOO-214	Ecology	3(2+1)
		Major-07	ZOO-231	Animal form and Function- I	3(2+1)
		G. Ed.-09		Quantitative Reasoning-II	3(3+0)
		G. Ed.-10		Natural Sciences	3(3+0)
		Interdisciplinary 1	CHEM-161	Basic Inorganic Chemistry	3(2+1)
					18
	4th	Major-08	ZOO-215	Genetics	3(2+1)
		Major -09	ZOO-232	Animal form and Function- II	3(2+1)
		Major-10	ZOO-223	Principles of systematics	3(2+1)
		G. Ed.-11	POLS-101	Civics and Community Engagement	2(2+0)
		G. Ed.-12	MGT-212	Entrepreneurship	2(2+0)

		Interdisciplinary 2	CHEM-171	Basic organic Chemistry	3(2+1)
					16
Third	5 th	Major-11	ZOO-316	Biochemistry	3(2+1)
		Major-12	ZOO-324	Wildlife management	3(2+1)
		Major-13	ZOO-333	Developmental biology	3(2+1)
		Major-14	ZOO-334	Animal Physiology	3(2+1)
		Major-15	ZOO-341	Biological techniques	3(1+2)
		Interdisciplinary 3	BOT-214	Biodiversity and Conservation	3(2+1)
					18
	6 th	Major-16	ZOO-317	Cell and molecular biology	3(2+1)
		Major-17	ZOO-325	Zoogeography and Paleontology	3(2+1)
		Major-18	ZOO-335	Endocrinology	3(2+1)
		Major-19	ZOO-342	Fisheries and Aquaculture	3(2+1)
		Major-20	ZOO-343	Research methodology	3(3+0)
		Interdisciplinary 4	MLT 202	Fundamentals of Microbiology	3(2+1)
				18	
Fourth	7 th	Major-21	ZOO-418	Biotechnology	3(2+1)
		Major -22	ZOO-426	Protozoology	3(2+1)
		Major-23	ZOO-444	Economic Zoology	3(2+1)
		Major-24	ZOO-445	Biosafety, Biosecurity and Bioethics	3(2+1)
		Internship	ZOO-598	Field Experience/Internship	3(0+3)
					15
	8 th	Major-25	ZOO-419	Evolutionary Biology	3(2+1)
		Major-26	ZOO-427	Helminthology	3(2+1)
		Major-27	ZOO-446	Biostatistics	3(2+1)
		Major-28	ZOO-447	Bioinformatics	3(2+1)
		Project	ZOO-599	Capstone Project	3(0+3)
					15