

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE		DEGREE PROGRAMME: INTEGRATED B.Sc. - M.Sc. IN ANIMAL SCIENCE						WITH EFFECT FROM: ACADEMIC SESSION: 2022-23							
Abbreviated Degree	Discipline	Abbreviated Degree Programme	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Semester Credit	CA Marks		ESE Marks		Total Marks	Semester Marks	
												Practical	Theoretical	Practical	Theoretical			
BSCH	ANIMAL SCIENCE	Integrated B.Sc. - M.Sc. in Animal Science	I	Invertebrate Diversity, Structure & Functions		C	IBSMSASC101	CC-1	4 - 0 - 4	6	22	30	15	20	35	100	250 + Marks of GEC	
				Vertebrate Diversity, Structure & Functions			IBSMSASC102	CC-2	4 - 0 - 4	6		30	15	20	35	100		
				Choose from the Pool of Generic Elective Courses offered in 1st Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE	See Pool	GEC-1	See Pool	6		See Pool				Marks of GEC		
				Environmental Studies		AE	AEE101	AECC-1	4 - 0 - 0	4			15		35	50		
			II	Animal Husbandry & Animal Nutrition		C	IBSMSASC201	CC-3	4 - 0 - 4	6	22	30	15	20	35	100	250 + Marks of GEC	
				Cell Biology			IBSMSASC202	CC-4	4 - 0 - 4	6		30	15	20	35	100		
				Choose from the Pool of Generic Elective Courses offered in 2nd Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE	See Pool	GEC-2	See Pool	6		See Pool				Marks of GEC		
				English/MIL Communication		AE	See Pool	AECC-2	4 - 0 - 0	4			15		35	50		
			III	Animal Genetics		C	IBSMSASC301	CC-5	4 - 0 - 4	6	28	30	15	20	35	100	350 + Marks of GEC	
				Molecular Biology				IBSMSASC302	CC-6	4 - 0 - 4		6	30	15	20	35		100
				Fundamentals of Biochemistry				IBSMSASC303	CC-7	4 - 0 - 4		6	30	15	20	35		100
				Choose from the Pool of Generic Elective Courses offered in 3rd Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE	See Pool	GEC-3	See Pool	6		See Pool				Marks of GEC		
				Apiculture		(Any One)	IBSMSASSE301	SEC-1	4 - 0 - 0	4			15		35	50		
				Sericulture			IBSMSASSE302		4 - 0 - 0				15		35			
			Molecular Cloning		IBSMSASSE303		4 - 0 - 0				15		35					
			Animal Breeding		IBSMSASSE304		4 - 0 - 0				15		35					
			IV	Animal Taxonomy & Animal Preservation		C	IBSMSASC401	CC- 8	4 - 0 - 4	6	28	30	15	20	35	100	350 + Marks of GEC	
				Animal Parasitology				IBSMSASC402	CC- 9	4 - 0 - 4		6	30	15	20	35		100
				Immunology				IBSMSASC403	CC- 10	4 - 0 - 4		6	30	15	20	35		100
				Choose from the Pool of Generic Elective Courses offered in 4th Semester by Honours Disciplines other than the Discipline in which Honours course is taken		GE	See Pool	GEC-4	See Pool	6		See Pool				Marks of GEC		
Aquarium Fish Keeping		(Any One)		IBSMSASSE401	SEC-2	4 - 0 - 0	4		15			35	50					
Quantification Techniques				IBSMSASSE402		4 - 0 - 0			15			35						
Laboratory Animal Management			IBSMSASSE403	4 - 0 - 0				15		35								
Diagnostic Biochemistry			IBSMSASSE404	4 - 0 - 0				15		35								
V	Animal Developmental Biology		C	IBSMSASC501	CC- 11	4 - 0 - 4	6	24	30	15	20	35	100	400				
	Animal Ecology				IBSMSASC502	CC- 12	4 - 0 - 4		6	30	15	20	35		100			
	Animal Behaviour & Chronobiology		DSE	IBSMSASDSE501	DSEC-1	4 - 0 - 4	6		30	15	20	35	100					
	Biology of Insecta				IBSMSASDSE502	DSEC-2	4 - 0 - 4		6	30	15	20	35		100			
VI	Microbiology		C	IBSMSASC601	CC- 13	4 - 0 - 4	6	24	30	15	20	35	100	400				
	Animal Evolution & Adaptation				IBSMSASC602	CC- 14	4 - 0 - 4		6	30	15	20	35		100			
	Parasitology		DSE	IBSMSASDSE601	DSEC-1	4 - 0 - 4	6		30	15	20	35	100					
	Aquatic Biology				IBSMSASDSE502	DSEC-2	4 - 0 - 4		6	30	15	20	35		100			
MSC	ANIMAL SCIENCE	Integrated B.Sc. - M.Sc. in Animal Science	VII	Cell and Molecular Biology		C	IBSMSASC701	CC-15	6 - 0 - 0	6	22		15		35	50	200	
				Biotechnology and Instrumentation		C	IBSMSASC702	CC-16	6 - 0 - 0	6			15		35	50		
				Environmental Biology and Wild life		C	IBSMSASC703	CC-17	6 - 0 - 0	6			15		35	50		
				Practical - I		C	IBSMSASC704	CC-18	0 - 0 - 8	4		30		20		50		
			VIII	Animal Physiology		C	IBSMSASC801	CC-19	6 - 0 - 0	6	26		15		35	50	250	
				General and Applied Entomology		C	IBSMSASC802	CC-20	6 - 0 - 0	6			15		35	50		
				Animal Parasitology and Pathology		C	IBSMSASC803	CC-21	6 - 0 - 0	6			15		35	50		
				Practical - II		C	IBSMSASC804	CC-22	0 - 0 - 8	4		30		20		50		
				Choose from Pool of Minor Electives		MIE	See Pool	MIEC-1		4						50		
			IX	Arthropods & Host Parasite Relationships		C	IBSMSASC901	CC-23	6 - 0 - 0	6	20		15		35	50	200	
				Ethology & Conservation Biology		C	IBSMSASC902	CC-24	6 - 0 - 0	6			15		35	50		
				Practical - III		C	IBSMSASC903	CC-25	0 - 0 - 8	4		30		20		50		
				Choose from Pool of Minor Electives		MIE	See Pool	MIEC-2		4						50		
			X	Dissertation		C	IBSMSASC1001	CC-26	0 - 0 - 24	12	20	30	0	20	0	50	150	
				Environmental Factors and Rhythm Physiology		MJE (Any One)	IBSMSASMJE1001	MJEC-1	6 - 0 - 4	8			30	15	20	35		100
				Molecular Parasitology and Immunology			IBSMSASMJE1002		6 - 0 - 4									
Animal Breeding and Laboratory Animals		IBSMSASMJE1003		6 - 0 - 4														
Molecular and Clinical Toxicology		IBSMSASMJE1004		6 - 0 - 4														

			Entomology		IBSMSASMJE1005	6 - 0 - 4									
Total Credit and Marks										236	2800 + Marks of GEC				

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsory Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; MJE= Major Elective; MJEC= Major Elective Course; MIE= Minor Elective; MIEC= Minor Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Generic Elective Courses (GEC) : Students of a particular Honours Course will choose from the Pool of Generic Elective Courses offered by Disciplines other than the Discipline in which Honours course is taken

Semesterwise Pool of Generic Elective Courses offered by this Discipline

Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Semester Credit	CA Marks		ESE Marks		Total Marks	Semester Marks
									Practical	Theoretical	Practical	Theoretical		
ANIMAL SCIENCE	I	Animal Diversity	GE	IBSMSASGE101	GEC-1	4 - 0 - 4	6	NA	30	15	20	35	100	NA
	II	Aquatic Biology		IBSMSASGE201	GEC-2	4 - 0 - 4	6		30	15	20	35	100	
	III	Environment & Public Health		IBSMSASGE301	GEC-3	4 - 0 - 4	6		30	15	20	35	100	
	IV	Physiology		IBSMSASGE401	GEC-4	4 - 0 - 4	6		30	15	20	35	100	

Pool of Communication Courses offered as Ability Enhancement Compulsory Courses

Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks			
									Practical	Theoretical	Practical	Theoretical					
English/MIL Communication	II	English Communication	(Any One)	AE	AECC-2	4 - 0 - 0	4	NA		15	15	35	50	NA			
		Bengali Communication													4 - 0 - 0	15	35
		Hindi Communication													4 - 0 - 0	15	35
		Urdu Communication													4 - 0 - 0	15	35

Minor Elective [ Offered by the Department of Animal Science for all other Departments across faculties ]

Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Semester Credit	CA Marks		ESE Marks		Total Marks	Semester Marks
									Practical	Theoretical	Practical	Theoretical		
ANIMAL SCIENCE	VIII	Environmental Health & Safety	MIE	MSCASMIE201	MIEC-1	4 - 0 - 0	4	NA		15	35	50	NA	
	IX	Bioethics & Biopolitics		MSCASMIE301	MIEC-2	4 - 0 - 0	4							15