



Course of Study Code	Discipline Code	Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Semester Credit	Internal Marks		End Sem Marks		Total Marks	Semester Marks
											Practical	Theoretical	Practical	Theoretical		
BSCH	IBSMSAS	Integrated B.Sc. + M.Sc. In Animal Science	I	Invertebrate Diversity, Structure & Functions	C	IBSMSASC101	CC-1	4 - 0 - 4	6	22	30	10	20	40	100	250 + Marks of G.E.
				Vertebrate Diversity, Structure & Functions	C	IBSMSASC102	CC-2	4 - 0 - 4	6		30	10	20	40	100	
				Generic Electives offered by other than Animal Sc. Dept.	GE	See Pool 1	GE-1	See Pool	6		See Pool	See Pool	See Pool	See Pool		
				Environment Studies	AE	AECE101	AEC (Elective)-1	4 - 0 - 0	4			10		40	50	
			II	Animal Husbandry & Animal Nutrition	C	IBSMSASC201	CC-3	4 - 0 - 4	6	20	30	10	20	40	100	250 + Marks of G.E.
				Cell Biology	C	IBSMSASC202	CC-4	4 - 0 - 4	6		30	10	20	40	100	
				Generic Electives offered by other than Animal Sc. Dept.	GE	See Pool 1	GE-2	See Pool	6		See Pool	See Pool	See Pool	See Pool		
				English/ MIL	AE	See Pool 2	AEC (Elective)-2	2 - 0 - 0	2			10		40	50	
			III	Animal Genetics	C	IBSMSASC301	CC-5	4 - 0 - 4	6	26	30	10	20	40	100	350 + Marks of G.E.
				Molecular Biology	C	IBSMSASC302	CC-6	4 - 0 - 4	6		30	10	20	40	100	
				Fundamentals of Biochemistry	C	IBSMSASC303	CC-7	4 - 0 - 4	6		30	10	20	40	100	
				Generic Electives offered by other than Animal Sc. Dept.	GE	See Pool 1	GE-3	See Pool	6		See Pool	See Pool	See Pool	See Pool		
				Apiculture	SE (Any One)	IBSMSASSECC301	SEC-1	2 - 0 - 0	2		10	40	50			
				Sericulture		IBSMSASSECC302		2 - 0 - 0								
				Molecular Cloning		IBSMSASSECC303		2 - 0 - 0								
			Animal Breeding	IBSMSASSECC304		2 - 0 - 0										
			IV	Animal Taxonomy & Animal Preservation	C	IBSMSASC401	CC-8	4 - 0 - 4	6	26	30	10	20	40	100	350 + Marks of G.E.
				Animal Parasitology	C	IBSMSASC402	CC-9	4 - 0 - 4	6		30	10	20	40	100	
				Immunology	C	IBSMSASC403	CC-10	4 - 0 - 4	6		30	10	20	40	100	
				Generic Electives offered by other than Animal Sc. Dept.	GE	See Pool 1	GE-4	See Pool	6		See Pool	See Pool	See Pool	See Pool		
				Aquarium Fish keeping	SE (Any One)	IBSMSASSECC401	SEC-2	2 - 0 - 0	2		10	40	50			
				Quantification Techniques		IBSMSASSECC402		2 - 0 - 0								
				Laboratory Animal Management		IBSMSASSECC403		2 - 0 - 0								
			Diagnostic Biochemistry	IBSMSASSECC404		2 - 0 - 0										
V	Animal Developmental Biology	C	IBSMSASC501	CC-11	4 - 0 - 4	6	24	30	10	20	40	100	400			
	Animal Ecology	C	IBSMSASC502	CC-12	4 - 0 - 4	6		30	10	20	40	100				
	Animal Behaviour & Chronobiology	DSE	IBSMSASDSE501	DSE-1	4 - 0 - 4	6		30	10	20	40	100				
	Biology of Insecta	DSE	IBSMSASDSE502	DSE-2	4 - 0 - 4	6		30	10	20	40	100				
VI	Microbiology	C	IBSMSASC601	CC-13	4 - 0 - 4	6	24	30	10	20	40	100	400			
	Animal Evolution & Adaptation	C	IBSMSASC602	CC-14	4 - 0 - 4	6		30	10	20	40	100				
	Parasitology	DSE	IBSMSASDSE601	DSE-3	4 - 0 - 4	6		30	10	20	40	100				
	Aquatic Biology	DSE	IBSMSASDSE602	DSE-4	4 - 0 - 4	6		30	10	20	40	100				
VII	Cell and Molecular Biology	C	IBSMSASC701	CC-15	6 - 0 - 0	6	22		10		40	50	200			
	Biotechnology and Instrumentation	C	IBSMSASC702	CC-16	6 - 0 - 0	6			10		40	50				
	Environmental Biology and Wild life	C	IBSMSASC703	CC-17	6 - 0 - 0	6			10		40	50				
	Practical	C	IBSMSASC704	CC-18	0 - 0 - 8	4		30		20		50				
VIII	Animal Physiology	C	IBSMSASC801	CC-19	6 - 0 - 0	6	26		10		40	50	250			
	General and Applied Entomology	C	IBSMSASC802	CC-20	6 - 0 - 0	6			10		40	50				
	Animal Parasitology and Pathology	C	IBSMSASC803	CC-21	6 - 0 - 0	6			10		40	50				
	Practical	C	IBSMSASC804	CC-22	0 - 0 - 8	4		30		20		50				
	Environmental Health	MIE	IBSMSASMIE801	MIE-1	4 - 0 - 0	4			10		40	50				
IX	Arthropods & Host Parasite Relationships	C	IBSMSASC901	CC-23	6 - 0 - 0	6	20		10		40	50	200			
	Ethology & Conservation Biology	C	IBSMSASC902	CC-24	6 - 0 - 0	6			10		40	50				
	Practical	C	IBSMSASC903	CC-25	0 - 0 - 8	4		30		20		50				
	Bioethics & Biopolitics	MIE	IBSMSASMIE901	MIE-2	4 - 0 - 0	4			10		40	50				
X	Environmental Factors and Rhythm Physiology	MJE (Any One)	IBSMSASMJE1001	MJE-1	6 - 0 - 4	8	20	30	10	20	40	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											
	Project Work, Thesis Submission & Grand viva	C	IBSMSASC1001	CC-26	0 - 0 - 24	12	30	0	20	0	50					



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											Practical	Theoretical	Practical	Theoretical		
<u>Total Credits</u>										<u>230</u>	<u>Total Marks</u>				<u>2800 + Marks of 4 GE</u>	

Students of an Honours department may choose one Generic Elective Paper each semester from the pool offered by Different Dept.

**Pool 1 = POOL OF GENERIC ELECTIVE COURSES**

Course of Study Code	Discipline Code	Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	Internal Marks		End Sem Marks		Total Marks	Sem Marks
											Practical	Theoretical	Practical	Theoretical		
<b>BSCH</b>	BSCHANIMSC	Integrated B.Sc. + M.Sc. In Animal Science	I	Animal Diversity	GE	IBSMSASGE101	GE-I	4 - 0 - 4	6	NA	30	10	20	40	100	NA
			II	Aquatic Biology	GE	IBSMSASGE201	GE-II	4 - 0 - 4	6		30	10	20	40	100	
			III	Environment & Public Health	GE	IBSMSASGE301	GE-III	4 - 0 - 4	6		30	10	20	40	100	
				Plant Physiology	GE	IBSMSASGE302										
IV	Physiology	GE	IBSMSASGE401	GE-IV	4 - 0 - 4	6	30	10	20	40	100					
	Plant Biochemistry	GE	IBSMSASGE402													

**Pool 2 = MIL-PROGRAM COURSES FOR SEMESTER - II**

Course Name	Course Type	Course Code (Old)	Course Code (New)	Course Details
MIL English	AEC	AECE201	AECEE201	AEC (Elective)-2
MIL Bengali			AECEB201	
MIL Hindi			AECEH201	
MIL Urdu			AECEU201	

Both integrated and M.Sc. Will be implemented from 2020.