



## REVISED NEP COURSE STRUCTURE

Course Structure: Course Structure with Credit Distribution of the Undergraduate Science

Program in Zoology- B.Sc. in Zoology

Semester	Vertical 1					Vertical 2	Vertical 3	Vertical 4		Vertical 5	Vertical 6				Total credits
SEM III	Core	Core	Major	Major	Elective	Minor 1	OE 5	VSEC 1	SEC	AEC	CC	FP 1	CEP	OJT	22
	Major DSC 1 Environmental Biology and Toxicology (4C) (T)	Major DSC 2 Practicals in Environmental Biology and Toxicology (2C) (P)	Major specific IKS Indian Natural History-Animal Kingdom (2C) (T)			Environmental Impact Assessment (2C) (T)	Wonders of Animal kingdom (2C) (T)	Practicals in Clinical Pathology (2C) (P)	SEC 3  By college	AEC 3  By college	CC 3  By college	Field project (2C) (P)			
Credits	4	2	2			2	2	2	2	2	2	2			
SEM IV	Major DSC 3	Major DSC 4				Minor 2	OE6	VSEC 2	-	AEC4	CC 4		CEP (2C) (P)		22
	Animal Physiology (4C) (T)	Practicals in Animal Physiology (4C) (P)				Human health and Nutrition (2C) (T)	Animal Behaviour (2C) (T)	Practicals in Cytogenetics (4C) (P)		By college	By college				
Credits	4	4				2	2	4		2	2		2		
															44

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Course Type	Course Code	SEMESTER V Program in Zoology- B.Sc. in Zoology	Course Code	SEMESTER VI	Credits
MandatoryMajor	24ZOO35101	Animal Systematics-I (2C) (T)	24ZOO36101	Animal Systematics-II (2C) (T)	2+2
MandatoryMajor	24ZOO35102	Histology and Histopathology (2C) (T)	24ZOO36102	Embryology (2C) (T)	2+2
Mandatory Major	24ZOO35103	Entomology (2C) (T)	24ZOO36103	Zoonosis (2C)(T)	2+2
Mandatory Major	24ZOO35104	Biological chemistry (2C) (T)	24ZOO36104	Molecular Biology (2C) (T)	2+2
Mandatory Major	24ZOO35105	Practical in Animal Systematics-I, Histology and Histopathology (2C) (P)	24ZOO36105	Practical in Animal Systematics-II and Embryology (2C) (P)	2+2
Mandatory Major	24ZOO35106	Practical in Entomology and Biological Chemistry (2C)(P)	24ZOO36106	Practical in Zoonosis and Molecular Biology (2C) (P)	2+2
Major Elective	24ZOO35107	Industrial Zoology (2C) (T)	24ZOO36107	Bioinstrumentation (2C) (T)	2+2
Major Elective	24ZOO35108	Practical in Industrial Zoology (2C) (P)	24ZOO36108	Practical in Bioinstrumentation (2C) (P)	2+2
Minor	24ZOO35209	Zoopharmacology (2C) (T)	--	--	2+0
VSEC	24ZOO35410	Practical in Clinical Pathology (2C) (P)	24ZOO36409	Practical in Ornamental Fishery (2C) (P)	2+2
FP	24ZOO35611	Field project (2C)	24ZOO36610	OJT (4C)	2+4
				Total credits	44

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### B.Sc Honours with Major and Minor

Semester	Vertical 1					Vertical 2	Vertical 3	Vertical 4		Vertical 5	Vertical 6		Total credits
	Major DSC 11	Major DSC 12	Major DSC13	DSE 3	Major DSC 14			Minor	OE		VSEC	SEC	
SEM VII	Advanced Biochemistry and Biochemical techniques (4C) (T)	General Embryology (4C) (T)	Immunology (4C) (T)	Skills in scientific communication and writing (2C) (T)	Practicals in Advanced Biochemistry, Embryology and Immunology (2C) (P)						RM (4C)	-	22
Credits	4	4	4	4	2	-	-	-	-	-	4		
SEM VIII	Major DSC 15 Biostatistics and Bioinformatics (4C) (T)	Major DSC 16 Human Endocrinology (4C) (T)	Major DSC17 Aquatic Biology (4C) (T)	DSE 4 Environmental Impact Assessment (4C) (T)	Major DSC 18 Practicals in Bioinformatics, Endocrinology and Aquatic Biology (2C) (P)	Minor	OE	VSEC	-	AEC	OJT	RP	22
Credits	4	4	4	4	2	-	-	-		-	4	-	
													44

