

STRUCTURE OF THE SYLLABUS FOR 4 YEAR UG PROGRAMME

SCHOOL NAME - RSLSC

DEPARTMENT NAME - Dept. of Zoology

PROGRAMME NAME - B.Sc. Zoology

1st SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M101	Non-Chordates	100	3	2-1-0
	ZOO142M102	Non-Chordates (Practical)	100	3	0-0-6
Minor	ZOO142N101	Animal Diversity- Non-Chordates	100	3	2-1-0
Interdisciplinary (IDC)	IKS992K101	Introduction to Indian Knowledge System – I	100	3	3-0-0
Ability Enhancement course (AEC)	CEN982A101	Communicative English-I	100	1	1-0-0
	BHS982A102	Behavioural Science- I	100	1	1-0-0
Skill Enhancement Course (SEC)	ZOO142S121	Vermiculture	100	3	0-0-6
Value Added Course (VAC)		Basket of course*	100	3	3-0-0
MOOC Course		MOOC/Online Courses**	100	3	
TOTAL CREDIT FOR 1st SEMESTER				23	
2nd SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M201	Chordates	100	3	2-1-0
	ZOO142M202	Chordates (Practical)	100	3	0-0-6
Minor	ZOO142N201	Animal Diversity- Chordates	100	3	2-1-0
IDC	IKS992K201	Introduction to Indian Knowledge System – II	100	3	3-0-0

AEC	CEN982A201	Communicative English- II	100	1	1-0-0
	BHS982A202	Behavioural Science- II	100	1	1-0-0
SEC	ZOO142S221	Sericulture	100	3	0-0-6
VAC		Basket of Course*	100	3	3-0-0
MOOC Course		MOOC/Online Courses**	100	3	
TOTAL CREDIT FOR 2nd SEMESTER				23	
3rd SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M301	Comparative Anatomy of Animals	200	4	3-1-0
	ZOO142M312	Comparative Anatomy of Animals (Practical)	200	4	0-0-8
Minor	ZOO142N301	Human Biology	200	4	3-1-0
IDC	ZOO142I301	Understanding of Life Processes	200	3	2-1-0
AEC	CEN982A301	Communicative English- III	200	1	1-0-0
	BHS982A302	Behavioral Science-III	200	1	1-0-0
SEC	ZOO142S321	Wildlife Photography and Ecotourism	200	3	0-0-6
MOOC Course		MOOC/Online Courses*	200	3	
TOTAL CREDIT FOR 3rd SEMESTER					
4th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M401	Cell Biology	200	4	3-1-0
	ZOO142M402	Animal Physiology and Endocrinology	200	4	3-1-0
	ZOO142M413	Cell Biology & Animal Physiology and Endocrinology (Practical)	200	4	0-0-8

Minor	ZOO142N401	Aquatic Biology	200	3	2-1-0
	ZOO142N402	Economic Zoology	200	3	2-1-0
AEC	CEN982A401	Communicative English-IV	200	1	1-0-0
	BHS982A402	Behavioral Science-IV	200	1	1-0-0
MOOC Course		MOOC/Online Courses*	200	3	
TOTAL CREDIT FOR 4th SEMESTER				23	
5th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M501	Biochemistry	300	4	3-1-0
	ZOO142M502	Evolutionary Biology	300	4	3-1-0
	ZOO142M513	Biochemistry and Evolutionary Biology (Practical)	300	4	0-0-8
Minor	ZOO142N501	Animal Parasites	300	4	3-1-0
Internship	ZOO142S531	Internship (Mandatory after 4 th Semester)	300	4	
TOTAL CREDIT FOR 5th SEMESTER				20	
6th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M601	Molecular Biology	300	4	3-1-0
	ZOO142M602	Biotechnology	300	4	3-1-0
	ZOO142M603	Ecology	300	4	3-1-0
	ZOO142M604	Molecular Biology, Endocrinology & Ecology (Practical)	300	4	0-0-8
Minor	ZOO142N601	Entomology	300	4	3-1-0
TOTAL CREDIT FOR 6th SEMESTER				20	
7th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M701	Genetics and Genomics	400	4	3-1-0

	ZOO142M702	Immunology	400	4	3-1-0
	ZOO142M703	Biostatistics and Bioinformatics	400	4	3-1-0
	ZOO142M714	Genetics and Genomics, Immunology, Biostatistics and Bioinformatics (Practical)	400	4	0-0-8
Minor	ZOO142N701	Ecology and Wildlife	400	4	3-1-0
TOTAL CREDIT FOR 7th SEMESTER				20	
8th SEMESTER					
COMPONENT	COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
Major (Core)	ZOO142M801	Developmental Biology	400	4	3-1-0
Minor	ZOO142N801	Research Methodology	400	4	3-1-0
Project / Dissertation	ZOO142M821	Dissertation	400	12	0-0-24
TOTAL CREDIT FOR 8th SEMESTER				20	

*The students will choose one VAC course from the basket of courses

**MOOCs/Online Course will be identified by the Department from the list of courses available on MOOC/SWAYAM online platform.