

SYLLABI AND COURSES OF READING FOR BACHELOR IN ZOOLOGY, 2019 – 22
SEMESTER - I
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION/ PRACTICAL FILE & ASSIGNMENT		END SEMESTER EXAMINATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C101	Non-Chordates I: Protista to Pseudocoelomates	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C102	Principles of Ecology	4	-	4	4+2=6	20	10	20	10	60	30
GE*	BOT05GX01	General Botany-I	4	-	4	4+2=6	20	10	20	10	60	30
AECC	AEC05AX02	Environment Studies	3	1	-	4	20	0	20	0	60	0
TOTAL			15	1	12	22	110		110		330	

*syllabus will be prepared by the respective Departments; AECC: Ability Enhancement Compulsory Course; GE: Generic Elective

SEMESTER - II
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION/ PRACTICAL FILE & ASSIGNMENT		END SEMESTER EXAMINATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C201	Non-Chordates II: Coelomates	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C202	Cell Biology	4	-	4	4+2=6	20	10	20	10	60	30
GE*	BOT05GX02	General Botany-II	4	-	4	4+2=6	20	10	20	20	60	30
AECC*	AEC05AX01	General English Communication	4	-	-	4	20	-	20	-	60	-
TOTAL			16	-	12	22	110		110		330	

* Syllabus will be prepared by the respective Departments; AECC: Ability Enhancement Compulsory Course; GE: Generic Elective

SEMESTER: III
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION/ PRACTICAL FILE & ASSIGNMENT		END SEMESTER EXAMINATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C301	Diversity of Chordates	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C302	Animal Physiology: Controlling and Coordinating Systems	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C303	Fundamentals of Biochemistry	4	-	4	4+2=6	20	10	20	10	60	30
SEC*		Skill Enhancement Course	3	1	-	4	20	-	20	-	60	-
GE*	CHM05GX01	General Chemistry-I	4	-	4	4+2=6	20	10	20	10	60	30
		TOTAL	19	1	16	28	140		140		420	

* Syllabus will be prepared by the respective Departments; SEC: Skill Enhancement Course; GE: Generic Elective

*SEC: Students can opt for one Skill Enhancement Course from the above mentioned courses

1. ZOO05K301: Research Methodology
2. ZOO05K302: Medical Diagnostics

SEMESTER: IV
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION / PRACTICAL FILE & ASSIGNMENT		END SEMESTER EXAMINATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C401	Comparative Anatomy of Vertebrates	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C402	Animal Physiology: Life Sustaining Systems	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C403	Biochemistry of Metabolic Processes	4	-	4	4+2=6	20	10	20	10	60	30
SEC*		Skill Enhancement Course	3	1	-	4	20	-	20	-	60	-
GE*	CHM05GX02	General Chemistry-II	4	-	4	4+2=6	20	10	20	10	60	30
TOTAL			19	1	16	28	140		140		420	

* Syllabus will be prepared by the respective Departments; SEC: Skill Enhancement Course; GE: Generic Elective

*SEC: Students can opt for one Skill Enhancement Course from the above mentioned courses

1. ZOO05K401: Aquarium Fish Keeping
2. ZOO05K402: Apiculture
3. ZOO05K403: Sericulture

SEMESTER: V
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION/ PRACTICAL FILE & ASSIGNMENT		END SEMESTER EXAMINATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C501	Molecular Biology	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C502	Principles of Genetics	4	-	4	4+2=6	20	10	20	10	60	30
DSE-I	Choose any two from the elective along with its respective Lab course*		4	-	4	4+2=6	20	10	20	10	60	30
DSE-II			4	-	4	4+2=6	20	10	20	10	60	30
TOTAL			16	-	16	24	120		120		360	

*Choose any two DSE courses offered by the university along with its respective Lab course

1. ZOO05E501: Agrochemicals and Pest Management
2. ZOO05E502: Animal Behaviour and Chronobiology
3. ZOO05E503: Animal Biotechnology
4. ZOO05E504: Basics of Neuroscience
5. ZOO05E505: Biology of Insecta
6. ZOO05E506: Computational Biology

SEMESTER: VI
SCHEME OF TEACHING & EXAMINATION

NATURE OF COURSE	COURSE CODE	COURSE NAME/TITLE	SCHEDULE OF TEACHING (HRS. PER WEEK)			CREDITS	MARKS					
			LECTURE	TUTORIAL	PRACTICAL		INTERNAL		MULTIPLE CHOICE EXAMINATION/ PRACTICAL FILE/ PRESENTATION OF PROJECT REPORT		END SEMESTER EXAMINATION/ EVALUATION	
							Theory	Practical	Theory	Practical	Theory	Practical
Core	ZOO05C601	Basics of Developmental Biology	4	-	4	4+2=6	20	10	20	10	60	30
Core	ZOO05C602	Basics of Evolutionary Biology	4	-	4	4+2=6	20	10	20	10	60	30
DSE-III*	Choose any two from the elective along with its respective Lab course*		4	-	4	4+2=6	20	10	20	10	60	30
DSE-IV*			4	-	4	4+2=6	20	10	20	10	60	30
TOTAL			16	-	16	24	120		120		360	

*Choose any two DSE courses offered by the university along with its respective Lab course:

1. ZOO05E601: Endocrinology;
2. ZOO05E602: Fish and Fisheries;
3. ZOO05E603: Immunology;
4. ZOO05E604: Parasitology;
5. ZOO05E605: Reproductive Biology;
6. ZOO05E606: Wild Life Conservation and Management;
7. ZOO05D601: Project Work/Dissertation