

B.Sc. Zoology**B.Sc. 1st Year**

S.No.	Subject Code	Subject Name	Subject Category (DSC, DSE, SEC)	Course Outcomes
1.	ZOOL 101 TH	Animal Diversity	DSC IA	<ul style="list-style-type: none">• Understanding the classification of animals into their respective taxonomic groups and their evolutionary adaptations.• Describe the unique characteristics, recognize the diversity, and comprehend the ecological roles of different animal groups.
2.	ZOOL 102 TH	Comparative Anatomy and Developmental Biology of Vertebrates	DSC IB	<ul style="list-style-type: none">• Describe the unique characteristics, structures, and functions of different vertebrate groups.• Demonstrate a comprehensive understanding of the fundamental principles and mechanisms underlying embryonic development.

B.Sc. 2nd Year

3.	ZOOL 201 TH	Physiology and Biochemistry	DSC IC	<ul style="list-style-type: none">• Demonstrate the functioning and biochemistry of major physiological systems.• Analyze and interpret the interactions between biomolecules in various cellular processes and a comprehensive grasp of metabolic pathways and their regulation.
4.	ZOOL 202 TH	Genetics and Evolutionary Biology	DSC ID	<ul style="list-style-type: none">• Understand the molecular basis of genetics and genetic variation.• Describe the history of life on earth and the major evolutionary transitions over time that support the history of life.

5.	ZOOL 203 TH	Medical Diagnostics	SEC-I	<ul style="list-style-type: none"> • A comprehensive understanding of various medical diagnostic techniques and methodologies. • Critically evaluate the suitability and limitations of different diagnostic approaches in various clinical scenarios.
6.	ZOOL 204 TH	Apiculture	SEC-II	<ul style="list-style-type: none"> • Describe the life cycle of bees, their roles within the colony, and the factors that affect their health and productivity. • Develop the skills for careers in beekeeping, honey production, and pollination services

B.Sc. 3rd Year

7.	ZOOL 301 (A)	Applied Zoology	DSE IA	<ul style="list-style-type: none"> • Demonstrate the ability to analyze and evaluate the ecological, behavioral, and physiological aspects of animal life. • Apply zoological knowledge to agriculture, including pest management, pollination services, and animal husbandry.
8.	ZOOL 302 (C)	Reproductive Biology	DSE IB	<ul style="list-style-type: none"> • Demonstrate a comprehensive understanding of the fundamental principles of reproductive biology. • Develop critical thinking and analytical skills in the field of reproductive biology and to analyze and interpret scientific research related to reproductive processes.
9.	ZOOL 303 TH	Sericulture	SEC-III	<ul style="list-style-type: none"> • Demonstrate a thorough understanding of the entire sericulture process, from silkworm rearing to silk production. • Develop the skills in sericulture and silk production, as well as contribute to their understanding of sustainable agriculture and the economic significance of silk in various industries.

10.	ZOOL 304 (A)	Aquarium Fish Keeping	SEC- IV	<ul style="list-style-type: none">• Develop practical skills in aquarium fish care and to be proficient in setting up and maintaining aquarium.• Create an environment for implementing their skills in aquarium technicians, aquarists, public aquarium educators, hobbyists, and entrepreneurs in the aquarium industry.
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