

Department of Zoology

Criteria II. Program Objectives, Program Specific Objectives & Course Outcomes

Programs offered:

M.Sc. Zoology, M.Phil. Zoology and Ph.D. Zoology

Sr. No.	Program	Program Objectives	Program Specific Objectives
1	M.Sc. Zoology	To allow students to develop a strong footing in the fundamentals and specialise in the disciplines of his/her liking and abilities.	<p>PSO1. The students pursuing this course would have to develop in depth understanding various aspects of the subject.</p> <p>PSO2. The working principles, design guidelines and experimental skills associated with different fields of Zoology such as Genetics and Cell Biology, Biochemistry, Molecular Biology, Biostatistics, Biodiversity, Entomology, Physiology, Developmental Biology, Endocrinology, Biochemical Techniques, Animal tissue culture, etc.</p>
2	M.Phil. Zoology	To initiate research capacity and capability among post graduate students of Zoology.	<p>PSO1. To inculcate research attitude and aptitude among fresh PG pass out students.</p> <p>PSO2. To develop new ideas, concepts and theories.</p> <p>PSO3. To help workout hypothesis and test the assumptions made.</p> <p>PSO4. To develop skills in literature survey, new methodologies, data collection and analysis followed by presentation of the work in the form of Dissertation.</p> <p>PSO5. To discuss upon results obtained by researchers in earlier scientific works.</p> <p>PSO6. To conduct short but meaningful research of societal and environmental value.</p>

3	Ph.D. Zoology	To broaden scientific attitude and develop scientific enquiry among researchers.	<p>PSO1. To inculcate research attitude and aptitude among qualified students.</p> <p>PSO2. To develop thinking on innovative topics and lead to well organised original work.</p> <p>PSO3. To gain training in new and advanced techniques, methods and procedures in science.</p> <p>PSO4. To develop skills in literature survey, new methodologies, data collection and analysis followed by presentation of the work in the form of Thesis.</p> <p>PSO5. To conduct basic or applied research which has societal and environmental value.</p> <p>PSO6. To broaden the spectrum of scientific thought and scientific communication.</p>
---	----------------------	--	---

Courses offered:**F.Y.B.Sc., S.Y.B.Sc., T.Y.B.Sc., M.Sc.I, M.Sc.II, M.Phil. & Ph.D.**

Sr. No.	Course	Course Outcomes
1	M.Sc. I Zoology	CO1. The students develop understanding of the higher and advanced concepts of learning in Zoology in the areas of Biochemistry, Cell Biology, Genetics, Biostatistics, Freshwater Zoology, Molecular Biology, Developmental Biology, Endocrinology, Animal Physiology and Biochemical Techniques.
2	M.Sc. II Zoology	CO1. The students develop understanding of the higher and advanced concepts of learning in Zoology in the areas of Entomology, Immunology, Insect Physiology & Biochemistry, Parasitology and Fundamentals of Systematics. CO2. Short and rapid research in the area of interest through M.Sc. Research Project. CO3. Specialisation in the area of Entomology.
3	M.Phil. Zoology	CO1. Critical thinking and development of hypothesis. CO2. Plan and Design of experimental work. CO3. Laboratory work and Field work. CO4. Observation and analysis of work done. CO5. Comparison with and discussion of earlier work. CO6. Scientific English and research communication skills.
4	Ph.D. Zoology	CO1. Critical thinking and development of hypothesis. CO2. Plan and Design of experimental work. CO3. Laboratory work and Field work. CO4. Observation and critical analysis of work done. CO5. Comparison with and discussion of earlier work. CO6. Scientific English and research communication skills.