

DEPARTMENT OF ZOOLOGY

OVERVIEW

Since the establishment in 2015, the department of Zoology holds a pivotal position in the University. Our mission in the Department of Zoology is to provide undergraduate, graduate and post graduate students with excellent academic preparation and research experience. Being a part of one of the leading Women University of Pakistan, the department of Zoology develops the women leaders in the field of teaching as well as research. Zoology is a combination of various disciplines such as Genetics, Physiology, Ecology, Developmental Biology, Microbiology, Parasitology, Entomology, Freshwater Biology, Fisheries, and Wildlife etc. This subject has significant role in human resources development, food security, environmental conservation, sustainable development and ultimately in alleviation of poverty. At Zoology Department, we are dedicated to develop a culture of inclusivity, diversity, and equity. Our program welcomes students from all backgrounds and experiences and is committed to provide a supportive and inclusive community. The Zoology Department at Women's University is the perfect place to start your journey. We look forward to welcoming you into our community of passionate and driven learners.

DEPARTMENT VISION

The main aim of the Department of Zoology is to provide quality education and a wide array of programs in the field of Zoology through promoting innovative learning environment for women and to promote and encourage research culture among the students which has relevance to local, regional and national needs.

DEPARTMENT MISSION

The mission of the department of zoology is to utilize our knowledge and expertise in order to train students in zoological science and to equip them with professional skills and ethical practices relevant to zoology to apply them meaningfully in those areas/fields requiring zoological expertise. We in the Zoology Department address major biological questions through our research: We study parasites, bacteria, viruses, cells, organisms and ecosystems to uncover mechanisms of infection. biology, Parasitology, Molecular biology, Physiology, Endocrinology, Developmental Biology, Genetics, Fisheries, Entomology and Virology etc. To create an attractive and research based innovative department where students want to come for study and contribute their role in the welfare of humanity by finding ways to increase the food production, to preserve rare animal species by improving their habitat and to find different zoonotic and other disorders and their solution. The department is committed to achieve academic excellence, by pursuing its mission, to produce graduates who will possess the abilities of confident researchers, entrepreneurs and academicians with sound knowledge.

OBJECTIVES OF THE DEPARTMENT

- To impart quality education of a high level and conduct research in the relevant areas.

- To prepare female students for successful professional careers, in the rapidly changing environments, who will assume the roles of future executive leaders.

INTENDED LEARNING OUTCOMES OF THE DEPARTMENT

- To produce highly competent female graduates, who will contribute to the overall efficiency and effectiveness of organizations.
- To produce high quality female graduate, for assuming the role of executives.
- To provide relevant information to the Public and Private sector organizations, for the improvement of their policies.

FACILITIES AND SCOPE

The Department has outstanding classrooms and well-organized laboratory facilities which are supported by the University, as well as by grants from the Higher Education Commission of Pakistan. Facilities include Centrifuges, Laminar Flow hood, water distillation plants, Soxhlet apparatus, trans illuminator, simple and meteorological microscope, Electrophoresis, autoclave, Ultra Freezer, analytical equipment and specialized equipment for Parasitology, Entomology, Microbiology, Fisheries and aquaculture, Reproductive Physiology and Immunology research, including microscopy and confocal microscope facilities.

The eight faculty members in the Zoology Department work closely with students to help them plan their programs of study, conduct research, and pursue special internship opportunities. A very large percentage of our undergraduates are admitted to professional and graduate schools or they acquire rewarding jobs in the biological sciences. Likewise, our graduate students have excellent scope at acquiring faculty and research positions in colleges and universities, as well as employment in research laboratories, government agencies, and private organizations.

PROGRAMS OFFERED

BS:

The B.S. program in Zoology is a four year degree program. This program offers a comprehensive education in all aspects of Zoology, including recently emerging technological and multidisciplinary fields such as Genetic Engineering, Biodiversity, Environmental Science, Wildlife and conservation, Fisheries and aquaculture, Pest management, Parasitology, Developmental Biology, Biotechnology, etc. Our curriculum is carefully crafted to equip the students with the knowledge and skills necessary to succeed in a highly competitive and demanding environment. After completing the degree, the students will be able to apply their knowledge to their respective fields effectively.

M.Phil:

The M.Phil Zoology is a full-time two year degree program and designed to foster research skills among graduates. It is aimed at those students who want to explore further into their

understanding of Zoology, and allied fields through advanced level research work. This program enables students to apply their knowledge and skills associated with research and to further strengthen these skills through practical research work.

ELIGIBILITY CRITERIA

BS (4 years):F.Sc. Pre medical/ A-level.

M.Phil. (2 years): BS (4 Years), M.Sc (2 Years)

Ph.D. (3-5 Years): M.Phil. (2 Years)

FACULTY

Assistant Professors

1. Dr. Asima Azam (Incharge)
2. Dr. Iram maqsood

Lecturer

1. Dr. Sumbal Haleem
2. Dr. Fatima Jahan
3. Ms. Saira Saleem
4. Ms. Ambar shaheen
5. Ms. Asma Akbar
6. Ms. Huma Shaheen