

Department of Zoology

Bodoland University

Course-Outcome of Ph. D. Coursework in Zoology

The Ph.D. Coursework in Zoology offered by the Department of Zoology comprises of various papers dealing with various aspects of Zoology to give a total knowledge about the subject. In all these papers all the classic as well as modern updated aspects of relevant areas of research in zoology are included so that the students will be able to strengthen their basics and apply this knowledge in their future life. These papers are designed to enable the students in their Ph. D. work.

The course design consists of a compulsory one semester (six month) of five papers. The first four papers are of 12 credits (each paper having three credits) and the fifth paper is of two credits; thus, there will be total of 14 credit coursework.

The following five papers are offered:

Paper I (ZOOPHD-I): Research Methodology in Zoological Research

Paper II (ZOOPHD-II): Computer Application in Zoological Research

Paper III (ZOOPHD-III): Overview in Zoology

Paper IV (ZOOPHD-IV): In-depth Study in Zoology: Specialized Papers (Optional A: Molecular Biology and Immunology, Optional B: Fish & Fisheries Science, and Optional C: Wildlife Ecology)

Paper V (ZOOPHD-V): Research & Publication Ethics.

COURSE OUTCOME

Ph.D. Coursework	
Paper I (ZOOPHD-I): Research Methodology in Zoological Research	This paper deals with introduction to research and methodology. After studying this paper students will learn the basics concept of Research Design: meaning, features of a good research design, types of research design; defining aim & objectives. Students will also be able to understand literature review and preparation of manuscript. Students will also learn important biological tools & techniques used in Zoological Research and application of Biostatistics in Research Design and Data Analyses.
Paper II (ZOOPHD-II): Computer Application in Zoological Research	This course is design to impart basic computer and ICT knowledge and its application in zoological research. Important softwares and application commonly used on biological research shall be taught and students will be able to apply all these in their research. After studying this paper students will be able to learn and apply important aspects of bioinformatics and its applications
Paper III (ZOOPHD-III): Overview in Zoology	This paper is designed give students an overview of important branches of zoology. After studying this paper student will be able to strengthen their knowledge on various branches of zoology like wildlife ecology, fisheries science and molecular biology. This will help them prepare for their specialization they

	have opted for their Ph.D. and for paper IV which deals with respective special papers being offered by the department.
Paper IV (ZOOPHD-IV): In-depth Study in Zoology: Specialized Papers Optional A: Molecular Biology and Immunology Optional B: Fish & Fisheries Science Optional C: Wildlife Ecology	Through this course student will learn in dept about their respective special papers they have opted for Ph.D. All basic concept about each specialisation shall be dealt with in detail. Latest research trends and findings in their respective filed of study shall be updated with the students to help them understand the keep themselves updated on the topic. This paper will help the students prepare for their forthcoming Ph.D. work.
Paper V (ZOOPHD-V): Research & Publication Ethics.	This paper deals with various ethical issues related with research. After studying this paper, students will be aware about the various ethical issues and regulations that should be followed while doing their research. Students will also be able to understand the art of writing papers and avoiding unethical publications. This will help them become a well published researcher in due course of their Ph.D.