

Program Outcomes (POs)
Program Specific Outcomes (PSO)
Course Outcomes (COs)



DEPARTMENT OF ZOOLOGY

**DOON (P.G.) COLLEGE OF AGRICULTURE SCIENCE AND TECHNOLOGY
SELAQUI, DEHRADUN, UTTARAKHAND.**

DEPARTMENT OF ZOOLOGY

PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES AND COURSE OUTCOMES

M.Sc. (Zoology)

PROGRAM OUTCOME	PROGRAM SPECIFIC OUTCOME	NAME OF COURSE	COURSE OUTCOME
To get an expertise in Animal Science.	Basic requirement for entering into HES 3 rd semester	Semester I Animal Diversity I – (Lower Non-chordata) SOLS/ZOOL/CO1	Basic knowledge of Biodiversity related to lower non chordates.
		Cell Biology & Molecular Biology SOLS/ZOOL/CO2	Knowledge of how basic life unit functions and Basic knowledge of complexity, and working mechanism body building molecules.
		Genetics, Evolution & Taxonomy SOLS/ZOOL/CO3	Idea of nomenclature and classification of animals. Knowledge of origin and evolution of life forms, mechanism of genesis and variations.
		Developmental Biology & Parasitology SOLS/ZOOL/CO4	It provides knowledge of reproduction and embryo development. Parasitology enriches our knowledge of parasites, diseases caused by them and preventive measures.
		Lab Course I (Paper 1,2) SOLS/ZOOL/CO5	It provides practical training related to animal diversity and cell and molecular biology
		Lab Course II (Paper 3,4) SOLS/ZOOL/CO6	It provides practical training related to Genetics, Evolution & Taxonomy, embryology and parasitology
		Semester II Animal Diversity-II (Higher Non-Chordata) SOLS/ZOOL/CO7	Basic knowledge of Biodiversity related to higher non chordates
		Animal Physiology and Toxicology SOLS/ZOOL/CO8	Knowledge of function mechanism of body systems and Chemical processes taking part there in. Toxicology enhances our knowledge of toxic substances and their action mechanism
		Instrumentation, Computer Application and Biostatistics SOLS/ZOOL/CO9	Students learn about SOP of various instruments, analytical tools and computer knowledge
		Elementary Biotechnology & Microbiology	Learning of use of techniques for the welfare of society.

		SOLS/ZOOL/C10	Importance of DNA and study of microbes.
		Lab Course I (Paper 7, 8) SOLS/ZOOL/CO11	It provides practical training related to Non chordates, animal physiology and toxicology
		Lab Course II (Paper 9, 10) SOLS/ZOOL/C12	It provides practical training related to Instrumentation, Computer Application, Biostatistics, Biotechnology and Microbiology
		Semester III Animal Diversity (Chordata) SOLS/ZOOL/C13	Provides basic knowledge of structure and physiology of Chordates.
		Ecology & Wildlife SOLS/ZOOL/C14	Learning of ecosystem and knowledge of wildlife of India and its importance to human kind.
		Lab Course (Core Papers) SOLS/ZOOL/C15	It provides practical knowledge on Chordates, ecology and wildlife.
		Fish Biology I SOLS/ZOOL/E01	Knowledge of structure, classification and functioning of various systems in a fish.
		Fish Biology II SOLS/ZOOL/E02	Knowledge of structure, classification and functioning of various systems in a fish.
		Lab Course II (Specialisation) SOLS/ZOOL/E03	It provides practical knowledge on fish biology
		Self study Course Biological & Radiotracer Techniques SOLS/ZOOL/SS01	Student knows about how the radiotracer techniques are used in biology.
		Aquatic Biodiversity SOLS/ZOOL/SS02	Provides knowledge of aquatic organisms and their structural and functional diversity.
		Semester IV Endocrinology & Animal Behaviour SOLS/ZOOL/C16	Provides knowledge of working mechanism of endocrine glands and different behaviors performed by the animals.
		Biochemistry & Immunology SOLS/ZOOL/C17	Knowledge of various chemical processes of the body and mechanism of body defense system
		Fisheries Science SOLS/ZOOL/E04	Gives knowledge about Applied and commercial aspect of fishery. Culture and Capture fishery
		Methodology in Fisheries Science SOLS/ZOOL/E05	Student learns about different methods used for biological study of fish
		Lab Course I (Core Papers) SOLS/ZOOL/C18	It provides practical knowledge on fisheries science

		Lab Course II (Specialization) SOLS/ZOOL/E06	It provides practical knowledge on methodology in fishery science.
		Dissertation (in place of Paper 4 th and Lab Course II) SOLS/ZOOL/E07	It provides an opportunity to students to know how research project is undertaken and evaluated. Enhances critical assessment ability of the student.