

Department of Zoology	After successful completion of three year degree program in Zoology a student should be able to;
Programme Outcomes	<p>PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of Zoology.</p> <p>PO-2. Understand the evolution, history of phylum.</p> <p>PO-3. Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community.</p> <p>PO-4. To study and understand the classification of whole phyla includes in Non chordates with the help of charts/models/pictures.</p> <p>PO-5. To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-6. Use modern techniques, decent equipment's</p>
Programme Specific Outcome	<p>PSO-1. Gain the knowledge of Zoology through theory and practical's.</p> <p>PSO-2. Study and understand the DNA Recombinant technology.</p> <p>PSO-3. Use modern Zoological tools, Models, Charts and Equipment's.</p> <p>PSO-4. Know structure-activity relationship.</p> <p>PSO-5. Understand good laboratory practices and safety.</p> <p>PSO-6. Develop research oriented skills.</p> <p>PSO-7. Make aware and handle the sophisticated instruments/equipment.</p>
Course	Outcomes
Sem I-Life and Diversity of Non-Chordata	<p>CO-1 Understand the evolution, history of phylum.</p> <p>CO-2 Understand about the Non Chordate animals.</p> <p>CO-3 To study the external as well as internal characters of non-chordates.</p> <p>CO-4 To study the distinguishing characters of non-chordates.</p> <p>CO-5 Understand the various internal systems like Digestive system, Excretory system, respiratory system, reproductive system.</p> <p>CO-6 To study larval forms and their significance</p>
Sem II-Cell and Developmental Biology	<p>CO-1. Understand the Scope of cell biology, because cell is the basic unit of life.</p> <p>CO-2. To study and understand the whole cell organelles with their structure and function.</p> <p>CO-3. Understand the cell cycle and know the importance of various cells in body of organisms.</p> <p>CO-4. To study detailed stem cell.</p> <p>CO-5. Understand the terms: Gametogenesis, Fertilization and early development.</p>



SATPUDA SHIKSHAN VA GRAMIN VIKAS SANSTHA'S

Bapumiya Sirajoddin Patel Arts, Commerce and Science

College, Pimpalgaon Kale

Accredited with 'B' Grade by NAAC

	<p>CO-6. Chick, Frog and Amphioxius- early embryonic development: Cleavage and Blastulation, Gastrulation and upto the formation of three germ layer.</p>
<p>Diversity of Chordata and Concept of Evolution</p>	<p>Department of Zoology PO, CO & PSO</p> <p>CO-1 Understand the evolution, history of zoology, Chordata CO-2 Understand about the Chordate animals CO-3 To study the external as well as internal characters of chordates. CO-4 Understand the various internal systems like Circulatory system, Digestive system, Urogenital system, respiratory system, reproductive system. CO-5. Understand the evidences of organic evolution by anatomical embryological list, paleontological, physiological, genetics and molecular biology evidences. CO-6 To study evolution of man.</p>
<p>Sem IV- Advance Genetics and Animal Ecology</p>	<p>CO-1 Understand Mendelian Inheritance. CO-2 To understand the concept of genetics, crossing over, multiple allele. CO-3 To understand the genetic disorders. CO-4 Understand the genetic screening and parental diagnosis CO-5 Understand the concept of abiotic and biotic factors. CO-6 To study the different ecosystems, food chain and food web.</p>
<p>Sem V- Animal Physiology and Economic Zoology</p>	<p>CO-1 Students gain fundamental knowledge of animal physiology. CO-2 Muscle: structure, type and mechanism of muscle contraction. CO-3 To understand endocrine system, Hormone and their physiological role. CO-4 To understand the Menstrual and estrous cycle. CO-5 Understand the difference between beneficial and harmful insect. CO-5 Understand the Aquaculture, Apiculture and Sericulture.</p>
<p>Sem VI- Molecular Biology and Biotechnology</p>	<p>CO-1. Understand the Molecular biology. CO-2 Understand the Tools and Techniques in Molecular Biology. CO-3 Understand the term ELISA technique and DNA finger printing. CO-4 To Understand DNA replication, transcription, translation and gene regulation. CO-5 To understand RDT. CO-6 Basic knowledge about immunosystem and immunotechniques</p>