

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce. Sanquelim- Goa							
Name of Faculty: Mouvin Francisco Fernandes		Subject: Zoology					
Paper code: ZOO 100 Amazing World of Animals		Program: B.Sc.		Division: A			
Academic year: 2025- 2026		Semester: I		Total Lectures: 45 + 30h Praactical			
Course Objectives: <ol style="list-style-type: none"> 1. To outline the origin, diversity and distribution of Animals 2. To explain the resilience of animal life 							
Expected Course Outcome: At the end of this course, students will be able to: <ol style="list-style-type: none"> 1. Explain the origin, diversity and distribution of animals. 2. Summarize the role of animals in the dynamics of earth. 3. Discover the fascinating world of animals. 4. Relate to the factors important for sustenance of animals. 							
Month	Lecture From	Lecture To	No. of Lectures Allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books

December	1st	6th	3	Evolution of earth; the first living cell		PPT	1. J. Z. Young, The Life of Vertebrates. Oxford University Press, 2004. 2. K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011. 3. M. P. Arora, Organic Evolution, 2nd ed. India: Himalaya Publishing House, 2000. 4. P. D. Sharma, Ecology and Environment, 13th Ed. Rastogi Publications, 2014. 5. P. R. Yadav, Understanding Zoology. India: Discovery Publishing Pvt. Ltd., 2010.
December	8th	13th	3	Brief idea of geological time line and evolution of animals		PPT	
December	15th	23rd	3	outline classification of animal kingdom		PPT	
January	2nd	10th	3	major habitats associated animal diversity (desert, Savanna grassland, forest, cave, oceanic)		PPT	
January	12th	17th	3	Paleozoology as a tool to demonstrate evolution.		PPT	
January	19th	24th	3	Role of animals in ecosystem (as niche species, pollinators and seed dispersal by insect and birds, bioindicators)		PPT	
January	26th	31st	3	Role of animals in human life; ethnozoology.		PPT	
February	2nd	7th	3	Values of animals: Ethical, Ecological, Economic, Aesthetic, Scientific and Cultural.		PPT	
February	9th	14th	3	Threats to animals: Natural threats such as flood, Volcanic eruption, landslides, forest fires, tsunamis; habitat loss and fragmentation; Urbanization; Man and Wildlife conflict, threats of linear infrastructure		PPT	
February	16th	21st	3	Zooanthroposis, Global climate change.		PPT	
February	23rd	28th	3	Bioluminescence in animals, Echolocation in Bats and cetaceans		PPT	

March	2nd	7th	3	Pearl formation in Mollusca, Regeneration in animals		PPT	1. J. Z. Young, The Life of Vertebrates. Oxford University Press, 2004. 2. K. K. Chaki, G. Kundu, and S. Sarkar, Introduction to General Zoology: Volume I, 4th ed. India: New Central Book Agency, 2011.
March	9th	14th	3	Mimicry in butterflies, Bird migration and Jatinga bird phenomenon		PPT	
March	16th	21st	3	Breeding and parental care in animals (fishes, amphibia and mammals), Extreme survival adaptations in animal		PPT	
March	23rd	31st	3	Regeneration in animals, Animal cognition.		PPT	