

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce. Sanquelim- Goa							
Name of Faculty: Dr. Suphala Pujari		Subject: Zoology					
Paper code: ZOO 202 Theory		Program: S. Y. BSc				Division: A	
Academic year: 2025- 2026		Semester: IV				Total Lectures: 30 hrs	
<b>Course Objectives:</b> 1. Acquaint the learner with Chordate body organization. 2. Appreciate the diversity within the chordates. 3. Evaluate the evolutionary relationships and adaptations within chordates. 4. Examine the diversity of chordate life histories, including reproduction and development.							
<b>Expected Course Outcome:</b> At the end of this course the student will be able to: 1. Explain the classification of Chordates. 2. Describe the unique characters of protochordates, Pisces, Amphibia, Reptiles, Aves & mammals. 3. Distinguish the various Chordate classes. 4. Recognise the diversity among chordates.							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01/12/2025	06/12/2025	3	Agnatha: Salient features and biological significance of ostracoderms. General characteristics and outline classification of cyclostomes		PPT	1. J.Z. Young, <i>The Life of Vertebrates</i> . III Edition. Oxford university Press, 2004. 2. H. Pough, W.E. Bemis, B.A. McGuire, C.M. Janis, <i>Vertebrate</i>
	08/12/2025	13/12/2025	3	Features of Petromyzontia and Myxinoidea, Petromyzon (Structural organization). Gnathostomes- General characteristics		PPT	

	15/12/2025	20/12/2025	3	Latimeria- Evolutionary significance, Pisces: General characteristics and outline classification of Chondrichthyes and Osteichthyes.; Revision			<i>life</i> , 11th Edition, Pearson International, 2022. 3. P.J. Darlington, <i>The Geographical Distribution of Animals</i> , Academic Publishers, 2017 4. B.K. Hall and B. Hallgrimsson <i>Strickberger's Evolution</i> . IV Edition, Jones and Bartlett Publishers Inc., 2008.
January	05/01/2026	10/01/2026	3	Pisces: General characteristics and outline classification of Chondrichthyes and Osteichthyes Types of caudal fins in fishes, types of accessory respiratory organs in fishes.		PPT	
	12/01/2026	17/01/2026	3	Introduction to Tetrapoda. Amphibia- General characteristics and classification of Amphibia, neoteny and paedogenesis.		PPT	
	19/01/2026	24/01/2026	3	<i>Ichthyophis</i> (Structural organization), Reptilia- General characteristics and outline classification.		PPT	
	26/01/2026	31/01/2026	3	Revision/ Tests		PPT	
February	02/02/2026	07/02/2026	3	Temporal fossae in reptiles, poison apparatus; venomous and non- venomous snakes.		PPT	
	09/02/2026	14/02/2026	3	Mesozoic reptiles (Dinosaurs). Aves- General characteristics and outline classification		PPT	
	16/02/2026	21/02/2026	3	Flight adaptations in birds; types of beaks		PPT	
	23/02/2026	28/02/2026	3	types of feet in birds, flightless birds.		PPT	
March	02/03/2026	07/03/2026	3	Revision, Mammalia: General characteristics and outline classification		PPT	
	09/03/2026	14/03/2026	3	Prototheria and Metatheria, placenta as a foetal- maternal connect.		PPT	
	16/03/2026	21/03/2026	3	Dentition in mammals / Revision		PPT	
	23/03/2026	31/03/2026	3	Revision/Tests		PPT	