

Lecture Plan															
<b>Name of the College: Government College of Arts, Science and Commerce. Sanquelim- Goa</b>															
<b>Name of Faculty: Dr. Suphala Pujari</b>		<b>Subject: Zoology</b>													
<b>Paper code: ZOO 202 Theory</b>		<b>Program: S. Y. BSc</b>					<b>Division: A</b>								
<b>Academic year: 2025- 2026</b>		<b>Semester: IV</b>					<b>Total Lectures: 30 hrs</b>								
<p><b>Course Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Acquaint the learner with Chordate body organization.</li> <li>2. Appreciate the diversity within the chordates.</li> <li>3. Evaluate the evolutionary relationships and adaptations within chordates.</li> <li>4. Examine the diversity of chordate life histories, including reproduction and development.</li> </ol>															
<p><b>Expected Course Outcome:</b></p> <p>At the end of this course the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Explain the classification of Chordates.</li> <li>2. Describe the unique characters of protochordates, Pisces, Amphibia, Reptiles, Aves &amp; mammals.</li> <li>3. Distinguish the various Chordate classes.</li> <li>4. Recognise the diversity among chordates.</li> </ol>															
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.
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	3. P.J. Darlington, <i>The Geographical Distribution of Animals</i> , Academic Publishers, 2017
	12/01/2026	17/01/2026	3	Introduction to Tetrapoda. Amphibia- General characteristics and classification of Amphibia, neoteny and paedogenesis.			PPT	4. B.K. Hall and B. Hallgrímsson <i>Strickberger's Evolution</i> . IV Edition, Jones and Bartlett Publishers Inc., 2008.
	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	
	02/02/2026	07/02/2026	3	Temporal fossae in reptiles, poison apparatus; venomous and non- venomous snakes.			PPT	
February	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	
	02/03/2026	07/03/2026	3	Revision, Mammalia: General characteristics and outline classification			PPT	
March	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	