

Semester Lecture Plan

Name of the College: Government College of Arts, Science and Commerce, Sanquelim, Goa

Name of the Faculty: Mr. Mouvin Francisco Fernandes

Subject: Zoology

Paper Code: ZOO 111

Programme/Course: Understanding applications of Zoology

Academic Year: 2025-2026

Semester: I

Course Objectives:

1. To outline the history, scope and applications of Zoology in human health, trade, commerce and industry.
2. To explain the importance of animal conservation.

Course Learning Outcomes: At the end of the course, students will be able to:

1. Recall the history and scope of Zoology.
2. Appraise the role of Zoology in public health.
3. Discuss applications of Zoology in trade, commerce and industry.
4. Describe the importance of conservation of animals.

Month	Date	Topic, subtopic to be covered	Learning outcomes	ICT Tools	Reference Books
July	3	Introduction	The students will understand the course requirements	Powerpoint presentation	Internet resources
	7	Bionomic Zoology	The students will understand Bionomic zoology	Powerpoint presentation	Internet resources
	9	Bionomic Zoology	The students will understand Bionomic zoology	Powerpoint presentation	Internet resources
	14	Apiculture	The students will gain knowledge in culture practices	Powerpoint presentation	Internet resources

	17	Lac culture	The students will gain knowledge in culture practices	Powerpoint presentation	Internet resources
	2124	Sericulture	The students will gain knowledge in culture practices	Powerpoint presentation	Internet resources
	28	Mariculture (mussel and oyster culture)	The students will gain knowledge in culture practices	Powerpoint presentation	Internet resources
	31	Mariculture (mussel and oyster culture)	The students will gain knowledge in culture practices	Powerpoint presentation	Internet resources
August	4	Genetically modified organisms	The students will understand the elements of GMO use	Powerpoint presentation	Internet resources
	7	Genetically modified organisms	The students will understand the elements of GMO use	Powerpoint presentation	Internet resources
	11	Bioprospecting	The students will gain knowledge in bioprospecting	Powerpoint presentation	Internet resources
	14	Bioprospecting	The students will gain knowledge in bioprospecting	Powerpoint presentation	Internet resources
	18	Animal inspired designs	The students will understand animal inspired designs	Powerpoint presentation	Internet resources
	21	Animal inspired designs	The students will understand animal inspired designs	Powerpoint presentation	Internet resources
	25	Animal inspired designs	The students will understand animal inspired designs	Powerpoint presentation	Internet resources
September	4	ISA		Powerpoint presentation	Internet resources
	8	Significance of Conservation biology	The students will gain knowledge in the significance of Conservation Biology	Powerpoint presentation	Internet resources
	11	Significance of Conservation biology	The students will gain knowledge in the significance of Conservation Biology	Powerpoint presentation	Internet resources

	15	Global conservation efforts	The students will understand Global conservation efforts	Powerpoint presentation	Internet resources
	18	Global conservation efforts	The students will understand Global conservation efforts	Powerpoint presentation	Internet resources
	22	ISA			
	25	In-situ conservation strategies	The students will gain understanding these strategies	Powerpoint presentation	Internet resources
	29	Ex-situ conservation strategies	The students will gain understanding these strategies	Powerpoint presentation	Internet resources
October	6	Conservation genetics	The students will gain understanding these strategies	Powerpoint presentation	Internet resources
	9	Wildlife forensics	The students will gain understanding these strategies	Powerpoint presentation	Internet resources
	13	DNA fingerprinting	The students will gain understanding these strategies	Powerpoint presentation	Internet resources
	16	Centrally sponsored schemes	The students will gain knowledge and understanding of this scheme	Powerpoint presentation	Internet resources
		Project Tiger	The students will gain knowledge and understanding of this scheme	Powerpoint presentation	Internet resources
		Project Elephant	The students will gain knowledge and understanding of this scheme	Powerpoint presentation	Internet resources
		Crocodile breeding project and project Lion	The students will gain knowledge and understanding of this scheme	Powerpoint presentation	Internet resources