

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa-India							
Name of Faculty: Brahmanand N Sawant				Subject: Geology			
Paper code: GEO201- PRINCIPLES OF STRATIGRAPHY AND PALEONTOLOGY				Program/Course: Sy B.Sc.		Division:	
Academic year: 2026 - 2027				Semester: III		Total Lectures: 30	
Course Objectives: 1. Students will acquire knowledge about stratigraphic principles. 2. Students will acquire knowledge about occurrence of fossils in different Indian Formations							
Course Learning Outcome: 1. Students will be able to apply these stratigraphic principles during field investigations. 2. Students will be able to identify and classify common fossils.							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	ICT Tools	Reference books	
JUNE	22/06/2026	27/6/2026	02	Introduction to this paper and syllabus discussion	PPT	The Elements of Palaeontology by Rhona Black	
	29/6/2026	04/7/2026	02	Principles of stratigraphy	Powerpoint Presentation		
				fossils			
	6/7/2026	11/7/2026	2	Application of fossils	Powerpoint presentation	The Elements of Palaeontology by Rhona Black;	

JULY/AUGUST	13/7/2026	18/7/2026	02	Types of Fossils	PPT	The Elements of Palaeontology by Rhona Black
	20/7/2026	25/7/2026	02	Factors controlling distribution of organisms	PPT	
	27/7/2026	1/8/2026	02	Modes of Preservation of fossils	PPT	
	3/8/2026	08/8/2026	02	Factors responsible for destruction of fossils	PPT	
	10/8/2026	15/8/2026	02	Bivalves morphology, distribution and significance	PPT	
August/ September	17/8/2026	22/8/2026	02	Gastropods morphology, distribution and significance	PPT	

	24/08/2026	29/8/2026	02	Brachiopods, Nautiloidea morphology, distribution and significance	PPT	
	31/8/2026	5/09/2026	02	Belemnoidea, Ammonoidea morphology, distribution and significance	PPT	
September	7/09/2026	12/09/2026	02	Crinoidea, Echinoidea morphology, distribution and significance	PPT	
September	21/09/2026	26/09/2026	02	Uses of fossils, Morphology and geological history of Trilobites	PPT	The Elements of Palaeontology by Rhona Black
October	28/09/2026	3/10/2026	02	Morphology of Foraminifera fossils	PPT	The Elements of Palaeontology by Rhona Blackrocks by Maurice E Tucker

October	5/10/2026	10/10/2026	02	Evolution of humans and vertebrates	PPT	The Elements of Palaeontology by Rhona Black
October	12/10/2026	14/10/2026	01	Gondwana Flora & Mesozoic reptiles evolution	PPT	

COMPONENT	MAXIMUM MARKS
ISA I	07.5
ISA II	7.5
ISA III	7.5
PRACTICAL	25
SEMESTER END EXAM	60
TOTAL	100