

Semester Lecture Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa-India

Name of Faculty: Shritesh Mhapsekar

Subject: Geology

Paper code: GEO-201 Principles of Stratigraphy and Palaeontology

Program/Course: SY B.Sc.

Division:

Academic year: 2025- 2026

Semester: III

Total Lectures: 6

Course Objectives:

1. Describe the principles of stratigraphy. CL2
2. Illustrate the modes of preservation of fossils. CL2
3. Classify the fossils. CL2

Course Learning Outcome:

1. Explain the principles of stratigraphy. CL2
2. Explain modes of preservation of fossils. CL2
3. Classify various types of fossils. CL3
4. Correlate the stratigraphic sections. CL3

Month	Lectures From: To:		No. of lecture s allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books
July 2025	June 30, 2025	July 06, 2025	1	Introduction			Black, R. M. (1988). The elements of

Semester Lecture Plan

July 07, 2025 to	July 13, 2025	1	Stratigraphy: scope and importance;			Palaeontology . Cambridge University Press. 2. Brookfield, M. E. (2008). Principles of Stratigraphy. John Wiley & Sons.
July 14, 2025 to	July 20, 2025	1	Principles of Stratigraphy: Laws of uniformitarianism, original horizontality, order of superposition,			
July 21, 2025 to	July 27, 2025	1	faunal succession, cross-cutting relationship, inclusions			
July 28, 2025 to	August 03, 2025	1	Correlation and methods of correlation: Structural relations (tectonic criteria), Lithological similarity (Marker horizon or key bed),			
August 04, 2025	August 10, 2025	1	Correlation and methods of correlation: Structural relations (tectonic criteria), Lithological similarity (Marker horizon or key bed),			

*Note: Data filled in the above form is sample data.

