

Semester Lecture Plan

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

Name of Faculty: Delia Cardozo

Subject: Geology

Paper code: GEO 211

Program/Course: SY B.Sc.

Division:

Academic year: 2025- 2026

Semester: III

Total Lectures: 17

Course Objectives:

The objectives of this course are to:

1. Discuss the processes involved in shaping the Earth's surface by natural agencies. CL2
2. Describe various erosional and depositional landforms. CL2

Course Learning Outcome:

1. Explain the processes of weathering, erosion, transportation and deposition by various agents. CL3
2. Interpret various landforms associated with work of wind and groundwater. CL3
3. Identify various landforms formed by action of rivers, glaciers and oceans and seas. CL3
4. Solve problems related to fluvial geomorphology. CL3

Month	Lectures From:	Lectures To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
June	23/06/2025	30/06/2025	03	Weathering and Erosion: Mechanical Weathering – Pressure Release, Frost Action		Smartboard, PPT, Videos, Flipped classroom	1. Monroe, S. J and Wicander R. (2014). The Changing Earth: Exploring
July	01/07/2025	05/07/2025	03	Thermal Expansion and Contraction, Salt			

				Growth. Chemical Weathering – Organisms Role		Geology and Evolution. Brooks Cole Publishers. 2. Carlson, D.H., Plummer, C.C., McGeary, D. (2008). Physical Geology: Earth revealed. Higher Education. 3. McConnell, D., Steer, D., Knight, C., Owens, K., Park, L. (2008). The Good Earth – Introduction to Earth Science. Higher Education. 4. Physical Geology by Steven Earle (online)
July	07/07/2025	12/07/2025	03	Oxidation, Acid Action, Dissolution/Leaching, Hydrolysis, Spheroidal Weathering, Biological Weathering		
	14/07/2025	19/07/2025	02	Geological work of Wind: Generation of Winds, types Characteristics of Deserts.		
	21/07/2025	26/07/2025	02	Sediment Transport. Desert Landforms: Depositional; sand dunes, Sand Seas/Ergs, Playa, sabkha, loess,		
	28/07/2025	02/08/2025	02	Erosional; Grooves, Ventifacts & Yardangs, mushroom rock, Inselbergs, Mesas and Buttes.		
August	04/08/2025	09/08/2025	02	Deflation Basin, Desert Pavement and Lag Gravel.	ISA I	

*** Assessment Rubrics**

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
Practical	25
Project	--
Semester End Exam	60