

Semester Lecture Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa-India						
Name of Faculty: Ms. Magnolia Aurea Miranda			Subject: Geology			
Paper code: GEO 241, THE CHANGING EARTH			Program/Course: SY B.Sc.		Division:	
Academic year: 2024 - 2025			Semester: III		Total Lectures:	
Course Objectives:						
<ol style="list-style-type: none"> 1. This course will provide knowledge on mainly the optical properties of minerals and their identification 2. It will also provide the general description and distinction of silicate group of minerals. 						
Course Learning Outcome:						
At the end of the course, the student will be able to:						
<ol style="list-style-type: none"> 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: To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
22 nd July 2024 to 17 th August 2024						
July	22/7/24 27/7/24	3	Agents of Transportation – Wind, Water, Glaciers, Gravity Modes of transportation – Bed Load (sliding, rolling, saltation), Suspension, dissolved load		Projector	Monroe, S. J and Wicander R. (2014). The Changing Earth: Exploring Geology and Evolution

	29/7/24	31/7/24	2	Factors Affecting Deposition Geological work of groundwater		Projector
August	1/8/24	3/8/24	1	Geological work of groundwater		Projector
	5/08/24	10/8/24	3	Erosion and Deposition by Groundwater	Assignment	Projector
	12/8/24	17/8/24	3	Erosion and Deposition by Groundwater	Assignment	Projector
From 19 th August to 22 October						
August	19/8/24	24/8/24	1	Generation of winds		Projector
	26/8/24	31/8/24	1	Types and Characteristics of deserts		Projector
September	2/9/24	7/9/24	1	Sediment transport : Wind		
	16/9/24	21/9/24	1	Desert landforms: Erosional	Assignment	Projector
	23/9/24	28/9/24	1	Desert landforms: Erosional	Assignment	Projector
	30/9/24		1	Desert landforms: Depositional	Assignment	Projector
October	1/10/24	5/10/24	1	Desert landforms: Depositional	Assignment	Projector
	7/10/24	12/10/24	1	Desert landforms: Depositional	Assignment	Projector
	14/10/24	19/10/24	1	Revision		Projector

Carlson, D.H., Plummer, C.C., McGeary, D. (2008). Physical Geology: Earth revealed.

	21/10/24	22/10/24	1	Revison			
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Assessment Rubrics

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