

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 132 Physical Geology

Program/Course: FYBCom

Division:

Academic year: 2024- 2025

Semester: II

Total Lectures: 30

Course Objectives:

1. Describe the major relief features of the Earth. CL2
2. Discuss the various geological processes that operate on and near the surface of the Earth. CL2
3. Explain the formation of different landforms. CL2

Course Learning Outcome:

1. Recognize the major relief features of the earth based on their characteristics. CL2
2. Identify the landforms. CL3

Month	Lectures From:	Lectures To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	9/12/2025	14/12/2024	02	Introduction to Physical Geology, Scope and Importance		Smartboard, PPT, Videos, Google maps, Quiz	1. Monroe, J. S., & Wicander, R. (2001). The changing Earth: Exploring Geology and
	16/12/2025	23/12/2024	02	Topography and Bathymetry; Contours and Topographic Maps			

January	02/01/2025	04/01/2025	02	Major relief features of the Earth: Mountains - Types	
	06/01/2025	11/01/2025	02	Characteristics of ridges, plateaus and plains	
	13/01/2025	18/01/2025	02	General relief features of the ocean floor. Hypsographic curve	
	20/01/2025	25/01/2025	02	Isostasy Principle of Uniformitarianism	ISA: Erosional and Depositional features of wind/glaciers/ rivers/ oceans
	27/01/2025	01/02/2025	02	Weathering, Erosion and Deposition Wind: Transportation and Erosion	
February	03/02/2025	08/02/2025	02	Features of Wind Erosion and Deposition	
	10/02/2025	15/02/2025	02	Types of Dunes, Loess Types of Deserts	
	17/02/2025	22/02/2025	02	Glaciers: types and movements ISA II	
	24/02/2025	01/03/2025	02	Formation morphology;	

Evolution.
Brooks Cole.

2. Plummer, C. C., Carlson, D. H., & McGeary, D. (2007). Physical Geology.

3. Holmes, A. (2017). Physical Geology. Wiley.

4. Condie, K.C. (2015). Plate tectonics and crustal evolution. Oxford: Butterworth-Heinemann.

5. Grotzinger, J. P., & Jordan, T. H. (2014). Understanding the Earth (7th ed.). W. H. Freeman.

March	03/03/2025	08/03/2025	02	erosion, transport, deposition and resulting landforms.		
	10/03/2025	15/03/2025	01	Oceans and seas: Waves and currents,		
	17/03/2025	22/03/2025	02	erosion, transport and resulting landforms		
	24/03/2025	29/03/2025	02	Erosional Landforms		
April	31/03/2025	05/04/2025	02	Depositional Landforms		
	07/04/2025	11/04/2025	02	Revision		

*** Assessment Rubrics**

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