

Lecture Plan							
Name of the college: Government College of Arts, Science and Commerce, Sanquelim- Goa							
Name of Faculty: Diksha Karapurkar				Subject: Geology			
Paper code: GEO 211: The Changing Earth				Program: S.Y.B.Sc.		Division: -	
Academic year: 2025 - 2026				Semester: III		Total Lectures: 27	
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 Outcomes: At the end of the course, the student will be able to: 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	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
July	02/07/2025	05/07/2025	1	Agents of Transportation – Wind, Water, Glaciers, Gravity,	Kahoot Quizzes, Model Making,	Smartscreen Presentations, 3D Animations,	1. Monroe, S. J and Wicander R. (2014). The Changing Earth:

July	07/07/2025	12/07/2025	1	Modes of transportation – Bed Load (sliding, rolling, saltation), Suspension, dissolved load,	Documentaries of River drainages	Illustrations, Interactive maps, 3D models	Exploring Geology and Evolution. Brooks Cole Publishers. 2. Carlson, D.H., Plummer, C.C., McGear, 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. Monroe, J.S., Wicander, R., Hazlett, R. (2007). Physical geology – Exploring the Earth (6th Ed.) Thomson Brooks/Cole.
July	14/07/2025	19/07/2025	1	Factors Affecting Deposition.			
July	21/07/2025	26/07/2025	2	Geological work of River: Drainage Basin and River System: Drainage Patterns.			
July - August	28/07/2025	02/08/2025	2	Erosion by River: Erosional Features - Steep Valleys, Gorges, Potholes, Waterfall,			
August	04/08/2025	09/08/2025	2	Meander, Ox Bow Lake, Hogbacks, Cuestas.			
August	11/08/2025	16/08/2025	2	Depositional Landforms by River; Floodplains, Deltas, Alluvial Fans.			
August	18/08/2025	23/08/2025	2	Geological work of groundwater: Erosion: Karst. Inta Semester Assessment I			
September	02/09/2025	06/09/2025	2	Karst Topography – Caves, Sinkholes, Solution Valleys, Disappearing Streams, Tower Deposition: Speleothems – Stalactites, Stalagmites.			
September	08/09/2025	13/09/2025	2	Geological work of Glaciers: Erosional Features of Glaciers			
September	15/09/2025	20/09/2025	2	Valley glacier - U-shaped Valleys, Cirques, Fjords. Erosional Striations, Drumlins, Erratics.			
September	22/09/2025	27/09/2025	2	Depositional Features of Glaciers - Glacial Drift; Till and Stratified Drift, Moraines. Inta Semester Assessment II			
September - October	29/09/2025	04/10/2025	2	Revision			
October	06/10/2025	11/10/2025	2	Revision			

October	13/10/2025	17/10/2025	2	Inta Semester Assessment III			

-

* Assessment Rubrics

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
ISA 3	7.5