

	Practical Plan	
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Name of the college: Government College of Arts, Science & Commerce, Sanquelim					
Name of Faculty: Delia Cardozo		Subject: Geology			
Paper code: GEO100 Introduction to Mineralogy and Petrology		Program: FY BSc	Division:		
Academic year: 2024 - 2025		Semester: II	Total Practicals + Fieldwork: 16		
Credits: 01					
Course Objectives: 1. Discuss the origin, shape, and size of the Earth. CL2 2. Explain the concepts of continental drift and plate tectonics. 3. Demonstrate the symmetry in crystals. CL2 4. Describe minerals and rocks using physical properties. CL2 Content:					
Expected Course Outcome: 1. Differentiate the layers of the Earth based on their structure and composition. CL2 2. Identify minerals based on their physical properties. CL3 3. Deduce the symmetry of crystals. CL4 4. Categorize rocks based on their properties. CL4					
Month	Practicals/Labs Scheduled Date	No. of Practicals planned	List of Experiments	Reference books	
December	14/12/2024	1	Identification and description of the physical properties, compositions, occurrence and uses of 20 common minerals.	1. Klein, C., & Hurlbut, C. S. Jr. (2021). Dana manual of mineralogy. Wiley 2. Lutgens, F. K., Tarbuck, E. J., & Tasa, D. G. (2021). Essentials of Geology(13th ed.). Pearson. 3. Marshak, S. (2015). Earth science (14 th ed.). John Wiley & Sons.	
	21/12/2024	1			
	4/01/2025	1			
January	11/01/2025	1	Study of 15 crystal models.		
	18/01/2025	1			
	25/01/2025	1			

	01/02/2025	1	Systematic description and Identification of 20 common rocks.	4. Rutley, F. (2019). Rutley's Mineralogy. Routledge.
February	08/02/2025	1	Geological field work to study the local geology	5. Grotzinger, J. P., & Jordan, T. H. (2020). Understanding Earth. Macmillan Learning.
	15/02/2025	1		
	22/02/2025	1		
	01/03/2025	1		
March	08/03/2025	1	Revision	
	15/03/2025	1		
	22/03/2025	1		
	29/03/2025	1		
April	05/04/2025	1	Revision	