

Practical Plan		
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Name of the college: Government College of Arts, Science & Commerce, Sanquelim		
Name of Faculty: Magnolia Aurea Miranda	Subject: Geology	
Paper code: GEO 303	Program: TY BSc	Division:
Academic year: 2026 - 2027	Semester: V	Total Practicals/Labs: 14
Credits: 1		
Course Objectives: 1. Demonstrate the characteristics of light and its interaction with minerals. 2. Discuss the optical methods.		
Course Learning Outcome: 1. Explain the optical properties of minerals. CL2 2. Identify minerals based on their optical properties and interference figure. CL3		
Student Learning Outcome:		

Month	Practical s/ Labs Schedule d Date	No. of Practicals/ Labs planned	List of Experiments	Reference books
June	22-6-26	1	Identification of minerals in thin section	Kerr, P. F. (1959). Optical Mineralogy. New York ; Toronto : McGraw-Hill. Mackenzie, W., & Guilford, C. (2014). Atlas of the Rock-Forming minerals in thin section. Routledge.
	29-6-26		Identification of minerals in thin section	
July	06-7-26	2	Identification of minerals in thin section	
	13-7-26	3	Identification of minerals in thin section	
	20-7-26	4	Identification of minerals in thin section	
	27-7-26	5	Identification of minerals in thin section	
August	03-8-26	6	Determination of order of interference colour	
	10-8-26	7	Determination of order of interference colour	
	17-8-26	8	Determination of birefringence	
	24-8-26	9	Determination of birefringence	
	31-8-26	10	Determination of sign of elongation	
September	7-9-26	11	Determination of sign of elongation	
	21-9-26	12	Determination of An- content	
	28-9-26	13	Determination of optic sign	
October	5-10-26	14	Determination of optic sign	

Assessment Rubrics

Component		Max Marks
Theory	ISA 1	5
	ISA 2	5
Practical	SEE	25
Semester End Exam	Theory	20