

Semester Lecture Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim-Goa							
Name of Faculty: DATTARAJ JAWDEKAR				Subject: Geology			
Paper code: GEO 100			Program/Course: Introduction to Mineralogy and Petrology			Division:	
Academic year: 2026 – 2027			Semester: I			Total Lectures: 15	
The objectives of this course are to: 1. Discuss the origin, shape, and size of the Earth. CL2 2. Explain the concepts of continental drift and plate tectonics. CL2 3. Demonstrate the symmetry in crystals. CL2 4. Describe minerals and rocks using physical properties. CL2							
At the end of the course the student will be able to: 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	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books

MONTH	LECTURE		No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books
	FROM	TO					
JUNE	19/06/2026	20/06/2026	0	Classes Suspended due to NEET exam protocol			
	22/06/2026	27/06/2026	1	Introdcution to Minerals and their Properties	4	Chalk and Board	
	29/06/2026	30/06/2026	1	Description of minerals	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
JULY	01/07/2026	04/07/2026	1	Description of minerals	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	6/07/2026	11/07/2026	1	Description of minerals	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	13/07/2026	18/07/2026	1	Description of minerals	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	20/07/2026	25/07/2026	1	Description of minerals	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
JULY/ AUGUST	27/07/2026	31/07/2026	1	Description of minerals	4	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	03/08/2026	08/08/2026	1	Crystallography	3	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	10/08/2026	15/08/2026	1	Crystallography	3	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens

	17/08/2026	22/08/2026	1	Crystallography	3	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	24/08/2026	28/08/2026	1	Crystallography	3	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
SEPTEMBER	31/08/2026	5/9/2026	1	Megascopic Id. of Rocks	4	Chalk and Board, Demo, Fieldwork	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	07/09/2026	12/09/2026	1	Megascopic Id. of Rocks	4	Chalk and Board, Demo, Fieldwork, Videos	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	14/09/2026	19/09/2026	1	Megascopic Id. of Rocks	4	Chalk and Board	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	21/09/2026	26/09/2026	1	Megascopic Id. of Rocks	4	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	28/09/2026	30/09/2026	1	Megascopic Id. of Rocks	4	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
OCTOBER	01/10/2026	03/10/2026	1	Fieldwork	2,4	Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens
	05/10/2026	10/10/2026	1	Examintation		Chalk and Board, Demo	Markshak, Holmes, P. Singh, Tarbuk and Lutgens

*** Assessment Rubrics**

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