

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce. Sanquelim - Goa							
Name of Faculty: Shritesh Mhapsekar				Subject: Geology			
Paper code: GEO-202, Descriptive Mineralogy				Program: BSc		Division:	
Academic year: 2024-25				Semester: IV		Total Lectures: 15	
<b>Course Objectives:</b> 1. Explain the binary systems and their applications to magmatic textures and processes CL2 2. Discuss different mineral groups. CL2 3. Identify minerals megascopically. CL2 4. Demonstrate mineral chemical calculations. CL2							
<b>Course Outcome:</b> 1. Compare the working of various binary systems and their applications to magmatic textures and processes. CL2 2. Distinguish between different minerals/mineral groups. CL2 3. Identify minerals based on their physical properties. CL3 4. Calculate mineral formula. CL3							
<b>Student Learning Outcome:</b>							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December, 2024	December 9, 2024	December 15, 2024	1	Classification of Minerals: Silicates and Non-silicates. Opaque			

	December 16, 2024	December 22, 2024	1	and transparent minerals Classification of Minerals: Silicates and Non-silicates. Opaque and transparent minerals		
January, 2025	December 30, 2024	January 5, 2025	1	Structure of silicate minerals – Nesosilicates, sorosilicates		
	January 6, 2025	January 12, 2025	1	inosilicates, cyclosilicates		
	January 13, 2025	January 19, 2025	1	inosilicates, cyclosilicates		
	January 20, 2025	January 26, 2025	1	phyllosilicates and tectosilicates		
	January 27, 2025	February 2, 2025	1	phyllosilicates and tectosilicates		
February, 2025	February 3, 2025	February 9, 2025	1	chemical composition, structure, physical properties and paragenesis: olivine		
	February 10, 2025	February 16, 2025	1	chemical composition, structure, physical properties and paragenesis: olivine		
	February 17, 2025	February 23, 2025	1	chemical composition, structure, physical properties and paragenesis: pyroxene		
	February 24, 2025	March 2, 2025	1	chemical composition, structure, physical properties and paragenesis: pyroxene		
March, 2025	March 3, 2025	March 9, 2025	1	chemical composition, structure, physical		

				properties and paragenesis: amphibole			
	March 10, 2025	March 16, 2025	1	chemical composition, structure, physical properties and paragenesis: amphibole			
	March 17, 2025	March 23, 2025	1	chemical composition, structure, physical properties and paragenesis: mica			
	March 24, 2025	March 30, 2025	1	chemical composition, structure, physical properties and paragenesis: mica			
April, 2025	March 31, 2025	April 6, 2025	1	Revision			
	April 7, 2025	April 13, 2025	1	Revision			
<b>Assessment Rubrics</b>	<b>Component</b>	<b>Max Marks</b>					
	ISA 1						
	ISA 2						
	Practical						
	Project						
	Semester End Exam						