# Semester Lecture Plan

**Name of the college:** Government College of Arts, Science & Commerce, Sanquelim, Goa-India

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| **Name of Faculty:** Delia Cardozo | **Subject:** Geology | |
| **Paper code:** GEO 202 | **Program/Course: SY B.Sc.** | **Division:** |
| **Academic year: 2025- 2026** | **Semester: IV** | **Total Lectures: 03** |

**The objectives of this course are to:**

**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**

**Course Learning Outcome:**

At the end of the course the student will be able to:

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

| Month | Lectures From: | Lectures To: | No. of lectures allotted | Topic, Subtopic to be covered | Exercise/ Assignment | ICT Tools | Reference books |
|---|---|---|---|---|---|---|---|
| December | 01/12/2025 | 06/12/2025 | 01 | Introduction and Classification of minerals | | Smartboard, PPT, Videos, | |

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| | **08/12/2025** | **13/12/2025** | **01** | **Non-Silicate minerals: Sulphides (Cu, Pb, Zn),** | | **Flipped Classroom** | |
| | **15/12/2025** | **20/12/2025** | **00** | **Holiday (Goa Liberation Day)** | | | |
| | **22/12/2025** | **23/12/2025** | **00** | **Christmas Break** | | | |
| **January** | **02/01/2026** | **05/01/2026** | **01** | **Oxides, hydroxides (Fe, Mn, Cr, Ti),** | | | |

***(On Study Leave from 6th January 2026)***

*** Assessment Rubrics**

| Component | Max Marks |
|---|---|
| ISA 1 | 7.5 |
| ISA 2 | 7.5 |
| Practical | 25 |
| Project | -- |
| Semester End Exam | 60 |