Semester Lecture Plan

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

Name of Faculty: Ms. Ashita Salgaokar | **Subject:** Geology

Paper code: GEO 141 | **Program/Course: FY B.Sc.** | **Division:**

Academic year: 2024 - 2025 | **Semester: I** | **Total Lectures: 17**

Course Objectives:

1. Describe the remote sensing process. CL2
2. Explain the applications of remote sensing in various fields. CL2

Course Learning Outcome:

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

1. Students will be able to explain the applications of remote sensing in various fields.

Month	Lectures From:	To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
August	20/8/24	24/8/24	1	Remote Sensing: scope and limitations		Projector	i. Gupta, R. P. (2013). Remote sensing geology. Springer. ii. E-books
	26/8/24	31/8/24	1	Remote Sensing Platforms		Projector	
September	2/9/24	7/9/24	-	Holiday		Projector	
	09/9/24	14/9/24	1	Satellites: geostationary, geosynchronous and sun-synchronous satellites, types of sensors.	Read about the different types of satellites.	Projector	
	16/9/24	21/9/24	1	Types of sensors		Projector	
	23/9/24	28/9/24	1	Resolutions: spatial, spectral, radiometric, temporal		Projector	

				Resolutions.		
October	1/10/24	5/10/24	1	Applications of Remote Sensing	Discussion of a case study on application of remote sensing.	Projector
	7/10/24	12/10/24	1	Applications of Remote Sensing.		Projector
	14/10/24	19/10/24	1	Revision		Projector
	21/10/24	22/10/24	-			

Practical Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim

Name of Faculty: Ms. Ashita Salgaokar | **Subject:** Geology

Paper code: GEO 141 | **Program: FY BSc** | **Division:**

Academic year: 2024 - 2025 | **Semester: I** | **Total Practicals/Labs: 08**

Credits: 2

Course Objectives:

1. To describe remote sensing process.
2. To explain the applications of remote sensing in various fields.

Course Learning Outcome:

1. 1. Students will be able to explain the applications of remote sensing in various fields.

Student Learning Outcome:

Month	Practicals/ Labs Scheduled Date	No. of Practicals/Labs planned	List of Experiments	Reference books
August	24-8-24 31-8-24	1 1	Aerial Photographs, Elements of image interpretation, pocket stereoscope. Applications of Aerial Photograph, Case study.	Carlson, D Reed, B. (2019). Physical principles of remote sensing. Cambridge University Press.
September	7-9-24 14-9-24 21-9-24 28-09-24	1 1 1 1	Holiday Drone technology and equipment, hands on training on drone photography Legal and ethical consideration in drone photography Revision	
October	05-10-24 12-10-24 19-10-24	1 1 1	Revision Revision Revision	