

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa							
Name of Faculty: Shweta A. Patil			Subject: Geography- Application of Field Study and Survey Techniques in Geography (Vocational)				
Paper code: GOG-321			Program/Course: BSC		Division:		
Academic year: 2026-2027			Semester : V		Total Lectures: 27		
Course Objectives:. This course is designed to provide undergraduate students with theoretical knowledge and practical skills necessary for conducting field studies and surveys in geography. Students will learn about various field study and survey techniques commonly used in geographical research, including their application, advantages, and limitations. Through practical exercises and fieldwork, students will develop hands-on experience in data collection, analysis, and interpretation.							
Course Learning Outcome: 1. Comprehend the importance and objectives of field studies and surveys in geographical research. 2. Develop a fieldwork plan outlining sampling methods, data collection protocols, and safety measures. 3. Synthesize field study findings and survey results to generate comprehensive reports or presentations, effectively communicating their research outcomes. 4. Deliver an oral presentation summarizing the methodology, results, and implications of a field study to peers and faculty members.							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning Outcome	ICT Tools	Reference books
July	6/07/2026	11/07/2026	2	Overview of fieldwork equipment and tools: Measuring Instruments, Navigation Tools,	Students will be able to identify and appropriately use essential fieldwork equipment and tools for collecting geographical data accurately.	Board and PowerPoint Presentations	1. Dikshit, R. D. The Art and Science of Geography: Integrated Readings, Prentice-Hall of India, 2003, New Delhi. 2. Evans,

	13/07/2026	18/07/2026	2	Sampling Tools, Recording and Data Collection	Techniques for Selecting Study Sites and Sampling	Board and PowerPoint Presentations	M. "Participant Observation: The Researcher as Research Tool" in Qualitative Methods in Human Geography, edited by J. Eyles and D. Smith, Polity, 1988. 3. Mukherjee, Neela. Participatory Learning and Action: with 100 Field Methods, Concept Pubs. Co., 2002, New Delhi. 4. Robinson, A. "Thinking Straight and Writing That Way" in Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioral Sciences, edited by F. Pryczak and R. Bruce
	20/07/2026	25/07/2026	2	Techniques for selecting study sites and sampling	Students will be able to select suitable study sites and apply appropriate sampling techniques for	Board and PowerPoint Presentations	
	27/07/2026	31/07/2026	2	Fieldwork logistics and safety protocols	Students will be able to plan fieldwork activities by following essential logistics and safety protocols during geographical surveys	Board and PowerPoint Presentations	
	1/08/2026	8/08/2026	2	Data collection methods: observation,	Students will be able to apply different data collection methods to gather reliable primary geographical data.	Board and PowerPoint Presentations	
	10/08/2026	15/08/2026	2	interviews, questionnaires, and measurements	Students will be able to apply different data collection methods to gather reliable primary geographical data	Board and PowerPoint Presentations	

	17/08/2026	22/08/2026	2	Hands-on practice in data collection: field trips	Students will be able to conduct field investigations and systematically record geographical data during field visits.	Board and PowerPoint Presentations	Pryczak, Publishing, 1998, Los Angeles. 5. Special Issue on “Doing Fieldwork” The Geographical Review, vol. 91, no. 1-2, 2001. 6. Stoddard, R. H. Field Techniques and Research Methods in Geography, Kendall/Hunt, 1982.
	24/08/2026	29/08/2026	2	Quantitative data analysis techniques: descriptive statistics	Students will be able to apply quantitative data analysis techniques to summarize, interpret, and analyse geographical data.	Board and PowerPoint Presentations	
September	1/09/2026	5/09/2026	2	inferential statistics, and spatial analysis	s Students will be able to apply quantitative data analysis techniques to summarize, interpret, and analyse geographical data	Board and PowerPoint Presentations	
	07/09/2026	12/09/2026	2	Qualitative data analysis methods: thematic analysis	Students will be able to analyse qualitative field data using appropriate qualitative analysis method	Board and PowerPoint Presentations	
	21/09/2026	26/09/2026	2	content analysis, and narrative analysis	Students will be able to analyse qualitative field data using	Board and PowerPoint Presentations	

					appropriate qualitative analysis method		
	28/09/2026	30/09/2026	1	Visualization of geographical data using maps, graphs, and charts	Students will be able to present geographical data effectively using suitable maps, graphs, and charts.	Board and PowerPoint Presentations	
October	1/10/2026	3/10/2026	1	Interpretation of field study and survey results	Students will be able to interpret field survey data	Board and PowerPoint Presentations	
	5/10/2026	10/10/2026	2	Case studies for practical application of data analysis techniques	students will be able to interpret field study and survey findings to draw meaningful geographical conclusions and make evidence-based recommendations	Board and PowerPoint Presentations	
	12/10/2026	14/10/2026	1	Revision			