

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa							
Name of Faculty: Shweta A. Patil			Subject: Geography- Natural Hazards and Disaster Risk Reduction				
Paper code: GOS-111			Program/Course: BSC		Division:		
Academic year: 2025-2026			Semester: I		Total Lectures: 27		
Course Objectives:. Provide an understanding of the definitions and concepts related to natural hazards and disaster risk reduction. 2. Introduce disaster frameworks used to mitigate and prevent the impacts of natural hazards. 3. Develop knowledge and skills in identifying natural hazards and conducting h Understand vulnerability assessment and mapping techniques to identify areas at risk. 5. Familiarize students with early warning systems and their role in emergency response and management procedures to effectively address immediate needs during disasters. 7. Understand the process of recovery and reco including rehabilitation and livelihood recovery							
Course Learning Outcome:• Define and explain key concepts related to natural hazards and disaster risk reduction. 2. Understand the fr disaster risk reduction to mitigate and prevent the impacts of natural hazards. 3. Identify natural hazards and conduct hazard and risk methodologies. 4. Apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for enhance preparedness and response capabilities. 5. Understand the process of recovery and reconstruction following a disaster, including rehab 6. Assess the role of international aid and assistance in supporting disaster-affected areas and facilitating recovery.							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	Learning Outcome	ICT Tools	Reference books
July	14/07/2025	19/07/2025	2	Emergency planning and management	Students will be able to explain the importance of emergency planning, identify key components of disaster management, and describe strategies to prepare for potential hazards.	Board and PowerPoint Presentations	exander, D. (2013). Resilience and dis etymological journey. Natural Hazar 13(11), 2707-2716.

	21/07/2025	26/07/2025	2	Emergency planning and management	Students will be able to explain the importance of emergency planning, identify key components of disaster management, and describe strategies to prepare for potential hazards.	Board and PowerPoint Presentations	Alexander, D. (2013). Resilience and etymological journey. Natural Hazards 13(11), 2707-2716.
	28/07/2025	31/07/2025	2	Early warning system	Students will be able to describe the components and functioning of early warning systems and explain their role in reducing disaster risk and saving lives.	Board and PowerPoint Presentations	Guha-Sapir, D., Hargitt, D., & Hoyoi natural disasters, 1974-2003: The natural Epidemiology of Disasters (CRED
	1/08/025	2/08/2025	2	Early warning system	Students will be able to describe the components and functioning of early warning systems and explain their role in reducing disaster risk and saving lives.		Guha-Sapir, D., Hargitt, D., & Hoyoi natural disasters, 1974-2003: The natural Epidemiology of Disasters (CRED
	4/08/2025	9/08/2025	2	Community participation and resilience	Students will be able to analyze the role of community participation in disaster preparedness, and explain how building community	Board and PowerPoint Presentations	Alexander, D. (2013). Resilience and etymological journey. Natural Hazards 13(11), 2707-2716.

					resilience reduces vulnerability.		
	11/08/2025	16/08/2025	2	Community participation and resilience	Students will be able to analyze the role of community participation in disaster preparedness, and explain how building community resilience reduces vulnerability.	Board and PowerPoint Presentations	Alexander, D. (2013). Resilience and etymological journey. Natural Hazards 13(11), 2707-2716.
	18/08/2025	23/08/2025	1	Capacity building and training	Students will be able to explain the importance of capacity building, identify training methods for disaster management, and evaluate their effectiveness in strengthening preparedness.	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governance and economic dimensions. Annual Review of Environment and Development 39, 461-488
	25/08/2025	25/08/2025	1	Capacity building and training	Students will be able to explain the importance of capacity building, identify training methods for disaster management, and evaluate their effectiveness in strengthening preparedness.	Board and PowerPoint Presentations	Alexander, D. (2013). Resilience and etymological journey. Natural Hazards 13(11), 2707-2716.

September	2/09/2025	6/09/2025	2	Risk communication and awareness	Students will be able to explain methods for communicating risk, raising awareness, and promoting informed decision-making before, during, and after disasters.	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governance and economic dimensions. Annual Review of Public Health 39, 461-488.
	8/09/2025	13/09/2025	2	Emergency response and management	Students will be able to describe strategies for effective emergency response, coordination among agencies, and management of resources during disasters.	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governance and economic dimensions. Annual Review of Public Health 39, 461-488.
	15/09/2025	20/09/2025	2	Damage and needs assessment	Students will be able to conduct or interpret damage and needs assessments to prioritize relief and recovery activities after disasters.	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governance and economic dimensions. Annual Review of Public Health 39, 461-488.
	22/09/2025	27/09/2025	1	Recovery and reconstruction	Students will be able to explain the phases of recovery and reconstruction, including rebuilding infrastructure and	Board and PowerPoint Presentations	Cutter, S. L., Barnes, L., Berry, M., Burton, K., Emmerich, P., Webb, J. (2008). A place-based model for understanding community resilience to natural disasters. Global Environmental Change 18, 599-606.

					restoring community services.		
	29/09/2025	30/09/2025	1	Recovery and reconstruction	students will be able to explain the phases of recovery and reconstruction, including rebuilding infrastructure and restoring community services	Board and PowerPoint Presentations	Cutter, S. L., Barnes, L., Berry, M., F. Webb, J. (2008). A place-based model of resilience to natural disasters. Global 606.
October	1/10/2025	4/10/2025	1	Rehabilitation and livelihood recovery	Students will be able to analyze strategies for rehabilitation and livelihood recovery to support affected communities and promote long-term resilience.	Board and PowerPoint Presentations	Cutter, S. L., Barnes, L., Berry, M., F. Webb, J. (2008). A place-based model of resilience to natural disasters. Global 606.
	6/10/2025	11/10/2025	2	Role of international aid and assistance	Students will be able to explain the role of international aid, coordination mechanisms, and assistance programs in supporting disaster-affected regions.	Board and PowerPoint Presentations	Cutter, S. L., Barnes, L., Berry, M., F. Webb, J. (2008). A place-based model of resilience to natural disasters. Global 606.
	13/10/2025	18/10/2025	2	Revision			