1			Se	emester Lecture Plan						
Name of the	Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa									
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Name of Faculty: Shweta A. Patil				Subject: Geography- Natural Hazards and Disaster Risk Reduction						
Paper code:	: GOS-111			Program/Cours	e: BSC	Division:				
Academic y	ear: 2025-202	26		Semester: I		Total Lectures: 2	27			
							ter risk reduction. 2. Introduce disaster			
			-				fying natural hazards and conducting h			
							early warning systems and their role is retained the process of recovery and recovery			
		nanagement pr id livelihood re		b effectively address fiffine	urate needs during	iisasters. 7. Onde	rstand the process of recovery and rec			
meruanig ici	liaomanon an	u nvemiood re	Covery							
Course Lea	rning Outcom	D.C.								
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										
uisastei 118	k reduction									
methodolog	gies. 4. Apply	to mitigate an principles of o	nd preven emergency	nt the impacts of natural y planning and manageme	l hazards. 3. Idenent in the context	ntify natural has of disaster risk i	zards and conduct hazard and ris reduction and develop strategies for			
methodolog enhance pro	gies. 4. Apply eparedness ar	to mitigate and principles of one of the contract of the contr	nd preven emergency apabilities	nt the impacts of natural y planning and managemone. 5. Understand the proce	hazards. 3. Identin the context ss of recovery and	ntify natural had of disaster risk i I reconstruction	zards and conduct hazard and risteduction and develop strategies for following a disaster, including reha			
methodolog enhance pro	gies. 4. Apply eparedness ar	to mitigate and principles of one of the contract of the contr	nd preven emergency apabilities	nt the impacts of natural y planning and manageme	hazards. 3. Identin the context ss of recovery and	ntify natural had of disaster risk i I reconstruction	zards and conduct hazard and risteduction and develop strategies for following a disaster, including reha			
methodolog enhance pro	gies. 4. Apply eparedness ar	to mitigate and principles of one of the contract of the contr	nd preven emergency apabilities and assista	nt the impacts of natural y planning and managemone. 5. Understand the proce	hazards. 3. Identin the context ss of recovery and	ntify natural had of disaster risk i I reconstruction	zards and conduct hazard and risteduction and develop strategies for following a disaster, including reha			
methodolog enhance pro	gies. 4. Apply eparedness ar te role of inter	to mitigate and principles of one of the contract of the contr	nd preven emergency apabilities	nt the impacts of natural y planning and managemone. 5. Understand the proce	hazards. 3. Identin the context ss of recovery and	ntify natural had of disaster risk i I reconstruction	zards and conduct hazard and risteduction and develop strategies for following a disaster, including reha			
methodolog enhance pro 6. Assess th	gies. 4. Apply eparedness ar e role of inter Lect	to mitigate and principles of one of the principles of one of the principles of the	nd prevent emergency apabilities and assista No. of lectures	nt the impacts of naturally planning and managements. 5. Understand the processince in supporting disaster Topic, Subtopic to be	hazards. 3. Iderent in the contextess of recovery and reaffected areas and Learning	ntify natural had of disaster risk to l reconstruction and facilitating re	zards and conduct hazard and risteduction and develop strategies for following a disaster, including rehactory.			
methodolog enhance pro 6. Assess th	gies. 4. Apply eparedness ar e role of inter Lect	to mitigate and principles of one of the principles of one of the principles of the	nd prevented pre	nt the impacts of naturally planning and managements. 5. Understand the processor in supporting disaster and the covered	Learning Outcome Students will be able to explain the	atify natural has of disaster risk is reconstruction of facilitating reconstruction ICT Tools Board and PowerPoint	rards and conduct hazard and rist eduction and develop strategies for following a disaster, including rehactory. Reference books exander, D. (2013). Resilience and detymological journey. Natural Hazar			
methodolog enhance pro 6. Assess th	gies. 4. Apply eparedness ar e role of inter Lect	to mitigate and principles of one of the principles of one of the principles of the	nd prevented pre	t the impacts of naturally planning and managements. 5. Understand the processor in supporting disaster and the processor in support and the	Learning Outcome Students will be able to explain the importance of	of disaster risk in the reconstruction and facilitating result. ICT Tools Board and	rards and conduct hazard and rist reduction and develop strategies for following a disaster, including rehactory. Reference books exander, D. (2013). Resilience and develops and develops and develops are resilience.			
methodolog enhance pro 6. Assess th	gies. 4. Apply eparedness ar e role of inter Lect	to mitigate and principles of one of the principles of one of the principles of the	nd prevented pre	t the impacts of naturally planning and managements. 5. Understand the processor in supporting disaster and the processor in support and the	Learning Outcome Students will be able to explain the importance of emergency	ICT Tools Board and PowerPoint Presentations	rards and conduct hazard and rist eduction and develop strategies for following a disaster, including rehactory. Reference books exander, D. (2013). Resilience and detymological journey. Natural Hazar			
methodolog enhance pro 6. Assess th	gies. 4. Apply eparedness ar e role of inter Lect	to mitigate and principles of one of the principles of one of the principles of the	nd prevented pre	t the impacts of naturally planning and managements. 5. Understand the processor in supporting disaster and the processor in support and the	Learning Outcome Students will be able to explain the importance of	Ictify natural had of disaster risk is reconstruction and facilitating research. ICT Tools Board and PowerPoint Presentations	rards and conduct hazard and rist eduction and develop strategies for following a disaster, including rehactory. Reference books exander, D. (2013). Resilience and detymological journey. Natural Hazar			

disaster management, and describe strategies to prepare for potential hazards.

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

				resilience reduces		
				vulnerability.		
		2	Community participation	Students will be	Board and	Alexander, D. (2013). Resilience and
			and resilience	able to analyze the	PowerPoint	etymological journey. Natural Hazar
			and resilience	role of community	Presentations	13(11), 2707-2716.
				participation in		
				disaster		
11/08/2025	16/08/2025			preparedness, and		
				explain how		
				building		
				community		
				resilience reduces		
				vulnerability.		
		1	Capacity building and	Students will be	Board and	Tierney, K. (2014). Disaster governa
			training	able to explain the	PowerPoint	economic dimensions. Annual Revie
			_	importance of	Presentations	39, 461-488
				capacity building,		
				identify training		
18/08/2025	23/08/2025			methods for		
10/00/2023	23/00/2023			disaster		
				management, and		
				evaluate their		
				effectiveness in		
				strengthening		
				preparedness.		
		1	Capacity building and	Students will be	Board and	Alexander, D. (2013). Resilience and
			training	able to explain the	PowerPoint	etymological journey. Natural Hazar
				importance of	Presentations	13(11), 2707-2716.
				capacity building,		
				identify training		
25/08/2025	25/08/2025			methods for		
				disaster		
				management, and		
				evaluate their		
				effectiveness in		
				strengthening		
				preparedness.		

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 decisionmaking before, during, and after	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governa economic dimensions. Annual Revie 39, 461-488.
!	'	'	'		disasters.		
			2	Emergency response and management	Students will be able to describe strategies for effective	Board and PowerPoint Presentations	Tierney, K. (2014). Disaster governa economic dimensions. Annual Revie 39, 461-488.
	8/09/2025	13/09/2025			emergency response, coordination among agencies, and management of resources during disasters.		
	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 governa economic dimensions. Annual Revie 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., I Webb, J. (2008). A place-based moderesilience to natural disasters. Global 606.

					restoring community services.		
			1	Recovery and	students will be able to explain the	Board and PowerPoint	Cutter, S. L., Barnes, L., Berry, M., I
	29/09/2025	30/09/2025		reconstruction	phases of recovery and reconstruction, including rebuilding infrastructure and restoring community services	Presentations Presentations	Webb, J. (2008). A place-based moderesilience to natural disasters. Global 606.
	1/10/2025		1	Rehabilitation and	Students will be	Board and	Cutter, S. L., Barnes, L., Berry, M., I
	1, 10, 20		_	livelihood recovery	able to analyze strategies for rehabilitation and	PowerPoint Presentations	Webb, J. (2008). A place-based moderesilience to natural disasters. Global 606.
October		4/10/2025			livelihood recovery to support affected communities and promote long-term resilience.		
	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., I Webb, J. (2008). A place-based mod- resilience to natural disasters. Global 606.
	13/10/2025	18/10/2025	2	Revision			