

Lecture Plan		
Name of the College: Government College of Arts, Science and Commerce, Sanquelim - Goa		
Name of Faculty: Ms. Supriya Gaonkar	Subject: Geography	
Paper code: GOG112 Geography of Climate Change	Program: BA	Division:
Academic year: 2025-2026	Semester: I	Total Lectures: 60
Course Objectives: . 1. To introduce students to the nature and scope of climate change and its implications for the Earth's systems. 2. To examine the scientific evidence for climate change and the causes and consequences of this phenomenon. 3. To explore the geography of climate change, including its impacts on biogeography, oceanography, atmospheric sciences, and earth system sciences. 3. To evaluate strategies for mitigating and adapting to climate change, including the role of science and technology, economic and political considerations, and international frameworks and agreements. 4. To analyze case studies of climate change impacts and responses, including the social and economic implications of climate change.		
Course Outcome: 1. Explain the nature and scope of climate change and its historical context. 2. Identify the scientific evidence for climate change and the causes and consequences of this phenomenon. 3. Analyze the impacts of climate change on land, water, and the atmosphere. 4. Evaluate strategies for mitigating and adapting to climate change, including the role of science and technology, economic and political considerations, and international frameworks and agreements. 5. Apply geographic principles and concepts to analyze case studies of climate change impacts and responses, and to assess the social and economic implications of climate change.		
Student Learning Outcome: 1. Students will be able to learn nature and scope of Climate Change ,		

2. Students will be able to understand the impact of climate change on Land , Water and Atmosphere. 3. Able to apply their knowledge in understanding problems related to Earth system.							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
JUNE	20/06/2025	21/06/2025	04 lecture per Week	Introduction to Climate Change, Definition, nature of Climate	Read on Climate	Black Board/ PPT	Environmental Geography , Climatology – D.S. Lal
JULY	30/06/2025	5/07/2025		Scope of climate change Historical perspective of climate change	Write on Meaning of Climate	Black board and PPT	Environmental Geography , Climatology – D.S. Lal
	07/7/2025	12/7/2025	04 lecture per Week	Historical perspective of climate change	Find out scope of Climate	Black Board/ PPT	Environmental Geography , Climatology – D.S. Lal
	14/7/2025	19/7/2025		The evidence of climate change-Rise in	Find out scope of Climate	Black Board/ PPT	Environmental Geography , Climatology – D.S. Lal
	21/7/2025	26/07/2025		The evidence of climate change-Rise in Temperature , Flood, Drought	Find out History of Climate	Black Board/ PPT	Environmental Geography , Climatology – D.S. Lal
	28/7/2025	02/08/2025		Extreme Events- in india and World	To see more videos and write evidences	Black Board/ PPT/ Video	Environmental Geography , Climatology –

					for climate change		D.S. Lal , Online Sources
AUGUST	05/08/25	10/8/2025		Climate Change and the Earth's System	To find out recent Events in the World	Black Board/ PPT/ Video	Climatology – D.S. Lal , Online Sources
	11/8/2025	16/8/2025		The carbon cycle and the climate system	To find out recent Events in the World	Black Board/ PPT/ Video	Climatology – D.S. Lal , Online Sources
	18/8/2025	23/8/2025		The Green House effect	Write on effects of Climate Change	Black Board/ PPT/ Video	Climatology – D.S. Lal , Online Sources
	25/8/2025	30/8/2025		Global Warming The impacts of climate change on land, water and the atmosphere	Draw a Diagram for Carbon Cycle	Black Board/ PPT/ Video	Climatology – D.S. Lal , Online Sources
SEPTEMBER	1/9/2025	6/09/2025	04 lecture per Week	The impacts of climate change on water and the atmosphere	To find out Green house gases	Black Board/ PPT	Climatology – D.S. Lal , Online Sources
	15/9/2025	20/9/2025	04 lecture per Week	The role of human activities in climate change	To find out places will be effect of Global warming	Black Board/ PPT	Climatology – D.S. Lal , Online Sources
	22/9/2025	27/9/2025	04 lecture	Strategies for mitigating climate change	Write a esay on Impact	Black Board/ PPT	Climatology – D.S. Lal , Online Sources

			per Week		of Climate change		
	29/9/2025	3/9/2025	04 lecture per Week	The role of science and technology in mitigation and adaptation	Write measure to control climate change	Black Board/ PPT	Climatology – D.S. Lal , Online Sources
	06/10/2025	11/10/2025	04 lecture per Week	Economic and political considerations in mitigation and adaptation United Nations Framework Convention on Climate Change (UNFCCC) (IPCC)	What is the role of humans in controlling Climate ?	Black Board/ PPT	Environmental Geography/Online Sources
OCTOBER	13/10/2024	18/10/2025	04 lecture per Week	Kyoto Protocol Paris Agreement	To find out activities which the change in climate of the World	Black Board/ PPT	Environmental Geography/ Online resources
Assessment Rubrics	Component		Max Marks				
	ISA 1		10				
	ISA 2		10				
	Practical						
	Project		NA				
	Semester End Exam		80				

