

		Semester Lecture Plan					
Name of the college: Government College of Arts, Science& Commerce, Sanquelim-Goa							
Name of Faculty: Shweta A. Patil			Subject: Geography				
Paper code: GOS-211			Program/Course: BSc		Division:		
Academic year: 2026-2027			Semester : III		Total Lectures: 27		
Course Objectives: 1. To explain the fundamental ecological concepts such as ecosystems, biodiversity, ecological niche and the interdependence of living organisms and their environment 2. To give an overview of sustainable development from a geographical perspective 3. To discuss the importance of biodiversity conservation for ecological stability 4. To covers key concepts and themes in sustainable development, such as economic growth, environmental protection, social equity, and political governance 5. The importance of ‘thinking ecologically’ when approaching complex environmental problems 6. To examines the challenges and opportunities of sustainable development in different regions and countries, and the role of geography in promoting sustainable development							
Course Learning Outcome: 1. Analyze the causes and consequences of environmental degradation 2. Understand the principles of balancing economic, social, and environmental dimensions for sustainability. 3. Evaluate the challenges and opportunities of sustainable development in different regions and countries 4. Develop critical thinking and analytical skills to address sustainability issues							
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	Major environmental issues	Learn about major environmental issues	PowerPoint Presentations	Agyeman, Julian, Robert D. Bullard and Bob Evans (Eds.) (2003) Just Sustainabilities: Development in an
	13/07/2026	18/07/2026	2	Causes and consequences: Pollution	Get knowledge about Causes and	PowerPoint Presentations	

					consequences: Pollution		Unequal World. London: Earthscan. (Introduction and conclusion.). 2. Ayers, Jessica and David Dodman (2010) "Climate change adaptation and development I: the state of the debate". Progress in Development Studies 10 (2): 161-168. 3. Baker, Susan (2006) Sustainable Development. Milton Park, Abingdon, Oxon; New York, N.Y.: Routledge. (Chapter 2, "The concept of sustainable development"). 4. Biermann, F., & Pattberg, P. (Eds.). (2012). Global Environmental Governance Reconsidered. MIT Press. 5. Brosius, Peter (1997) "Endangered Forest, endangered people: Environmentalist
	20/07/2026	25/07/2026	2	Causes and consequences: Deforestation	Understand the drivers of Board and PowerPoint Bharucha E.: Textbook of Environmental Studies. Orient BlackSwan deforestation and evaluate its ecological, social, and economic impacts at local and global scales	PowerPoint Presentations	
	27/07/2026	31/07/2026	2	Global Boiling and Climate Change	analyze the causes, evidence, and implications of global warming intensifying into "global boiling" and its threats to ecosystems and human societies.	PowerPoint Presentations	
August	1/08/2026	8/08/2026	2	Sustainability conflicts, a conceptual framework for linking sustainability and sustainable development	Develop the ability to identify and explain conflicts between economic growth, social equity, and environmental protection within the framework of sustainable developmen	PowerPoint Presentations	

	10/08/2026	15/08/2026	2	Environmental Dimension of Sustainable Development	Explain how environmental protection underpins sustainable development by maintaining natural resources and ecosystem services.	PowerPoint Presentations	representations of indigenous knowledge”, Human Ecology 25: 47-69. 6. Chandna R. C., (2002): Environmental Geography. Kalyani, Ludhiana. 7. Chapman, J.L. and Reiss, M.J. (1992): Ecology: Principles and Applications. Cambridge University Press, Cambridge.
	17/08/2026	22/08/2026	2	Spatial analysis and sustainable development, Environmental Planning and Policies	Apply spatial analysis tools to assess environmental issues and understand how policies guide sustainable land use and resource management.	PowerPoint Presentations	
	24/08/2026	29/08/2026	2	Environmental Impact Assessment (EIA)	Acquire knowledge of EIA processes and evaluate their role in predicting, mitigating, and monitoring environmental impacts of development projects.	PowerPoint Presentations	
September	01/09/2026	05/09/2026	2	Management of Environmental Quality,	Assess strategies for managing environmental quality by examining	PowerPoint Presentations	

					deforestation, conservation,		
	07/09/2026	12/09/2026	2	Case studies: The Amazon Rainforest	Understand the restoration efforts in the Amazon Rainforest.	PowerPoint Presentations	
	21/09/2026	26/09/2026	2	Renewable Energy Transition in Germany	Examine Germany's renewable energy transition (Energiewende) to understand the challenges and opportunities in shifting towards sustainable energy systems.	PowerPoint Presentations	
	28/09/2026	30/09/2026	1	Sweden's Waste-to-Energy Program	Analyze Sweden's waste-to-energy model as a case study in effective waste management and energy recovery for sustainability.	PowerPoint Presentations	
October	1/10/2026	3/10/2026	1	Singapore's Gardens by the Bay Understand how urban green infrastructure projects like Gardens by the Bay integrate ecological sustainability with urban development.	Understand how urban green infrastructure projects like Gardens by the Bay integrate ecological sustainability with urban development.		
	5/10/2026	10/10/2026	2	Organic Farming in California's Central Valley Evaluate the benefits and challenges of	Organic Farming in California's Central Valley Evaluate the benefits and	PowerPoint Presentations	

				organic farming in California's Central Valley as a sustainable agricultural practice.	challenges of organic farming in California's Central Valley as a sustainable agricultural practice.		
	12/10/2026	14/10/2026	1	Revision			