

CODE: DPR624
 COURSE UNIT TITLE: Climate Change in South Asia
 CREDIT EQUIVALENTS: 3

Introduction to Climate System : 4.5 hrs		
	Introduction to climate	
	Climate of South Asia – Monsoon and equatorial regimes	
Climate Variability and Predictability : 2 hrs		
	Spatial and temporal (seasonal, inter-annual and decadal) variability	
	Predictability influence of ocean and land surfaces,	
	Mountains and snow cover Paleo-climate	
Climate Change and Projections : 2 hrs		
	Global warming, Indian Ocean warming	
	Melting of Himalayan Ice Caps	
	Historical climate	
	Impact of global warming	
	IPCC and National Communication Policy Issues	
Climate Impacts : on Water Resources, Energy, Agriculture, Disaster Risk, Infectious Diseases, the Environment, Vulnerability and the Economy : 3 hrs		
	Climate Impact Analysis	
	Impact floods and droughts	
	Vector borne diseases	
Vulnerability, Mitigation and adaptation to Climate variability and Change : 2 hrs		
	Vulnerability	
	Mitigation	
	Adaptation	
Integrating Climate Concerns into National and Regional Resource Management Policy Making : 2 hrs		
	Impact on economic indicators (GDP, AGDP, Industrial Production)	
	National Communications	
	Successes, bottlenecks and failures in integrating climate concerns into national planning and resource management	