

BPLN-802B: Climate Change and Human Settlements (Elective –II)

Module 1: Understanding Climate Change

Greenhouse Gases, Anthropogenic causes, Carbon Cycle, Global Warming, Inventory of GHGs, Urban Heat Islands.

Module 2: International and National Efforts

United Nations Framework Convention on Climate Change, Conference of Parties, Kyoto Protocol, Intergovernmental Panel on Climate Change, National Communication Process, Indian Network of Climate Change Assessment, Global Environment Facility, Clean Development Mechanism.

Module 3: Role of Human settlements & Impacts of Climate Change

Contribution to GHGs, sectoral Contributions, Mitigation Possibilities, Low Carbon Settlements; Climate as forcing Variable, Locational Attributes, Sensitivity and Vulnerability of different sectors, Extreme events and their effects;

Module 4: Adaptation Strategies

Resilience, Threshold variables, Risk Avoidance, Risk Mitigation, Risk Coverage, Mitigation and Adaptation Linkage, Case studies of Adaptation approaches.