

CIVE 4778 – Climate Adaptation and Policy in an Emerging Economy

Adaptation and mitigation measures in response to climate change and mitigating climate change (M7)

Policies and regulations facilitating adaptation and mitigation (M7)

Country level (US and India) policies for meeting the climate change challenges (M7, M10, M11)

International collaborations for successful adaptation/mitigation with primary focus on US-India relations (M7, M11)

Balancing best resilience and mitigation practices with economic /social concerns (M10, M11)

Social and cultural contribution and response to climate change and Public response to adaptation, mitigation and resilience planning (M9)

Climate education, research, outreach , and emerging and existing technologies (M9)

Economic influence in policy decisions and changes in perception (political/public) for a resilient future (M9)

Understanding resilience through “Megacities” of the past: The rise and fall of pre-historic and historic settlements/cities in India (M8)

Understanding resilience through “Megacities” of today: Vulnerability, Exposure and Risk (M8)

Climate Policy War Game

M - Module

Course Outcomes

1 Assess the impact of economy, culture, and governance on climate change and adaptation

2 Make informed adaptation decisions and mitigation policies to climate change

3 Integrate the relations between the US and India into decisions regarding climate change and energy

4 Identify resilience design/policies that mitigate the risk of disruption due to climate hazards, and speed recovery when mitigation measures fail

5 Identify the complex interactions between climate change and social/cultural, economic, educational, and technological factors