

### **Climate Change and Urban Development (Elective)**

<b>Code</b>	<b>Credit Hours</b>
DM-814	3 – 0

#### **Course Description:**

The course aims to enable students to identify climate change and development challenges at the city scale and equip them to do further research, to advise on and take development decisions on this scale in the context of climate change in Pakistan. It also helps students systematically identify how climate impacts and adaptation, climate mitigation, and broader agendas of systemic change (in which climate change is seen as one of many drivers of change) intersect with the key dimensions of urban development.

#### **Course Content:**

<b>Topics</b>	<b>Learning Outcomes</b>
Urbanization and the urban dividend	Macro-trends of urbanization, Urban dividend, Informality, Political economy of urbanization
Addressing climate risks and vulnerabilities at the city-scale	Climate hazards and impacts in cities, Frameworks for addressing climate risk and vulnerabilities in cities, Risk, vulnerability and resilience assessment methods and tools, Planning and implementing urban climate adaptation measures
Climate change mitigation at the city scale	Greenhouse gas emissions in cities, economy, mitigation practices and opportunities, City functions and mitigation, integrated planning and development
Governing urban transitions under changing climates	Unpacking Urban Governance, Governing climate change in cities – who and how? Politics, power, discourses and decision-making, Pathways and transitions
Disaster Resilient Cities	Risks and needs of the communities prone to natural

	disasters, Building safer and climate change resilient cities
Field visits to urban centers	
Term Project on mitigation of climate change impacts on different urban centers of Pakistan	

**Textbooks:**

No textbook for this course. The course will be based on different reference books, reports, and conference and journal publications.

**Reference Material:**

1. WFP, Contingency Planning (Guidelines). UNCHR, Handbook for emergencies, 1982.
2. Publication: A framework for community safety and resilience - In the face of disaster risk
3. Publication: The Global Alliance for Disaster Risk Reduction Building safer, resilient communities
4. Publication: Defusing disaster – Reducing the risk: calamity is unnatural
5. Publication: Natural Hazards, Un-Natural Disasters: The Economics of Effective Prevention

**Pre-requisite:** None

**Assessment System**

Quizzes	15%
Assignments	10%
Mid-Semester Exam	25%
Term Project/Paper	10%
End Semester Exam	40%