

Department of Planning,
Lecture Plan, Odd Semester, AY 2026-27

Name of Course: M.Planning

Subject Name:	Human Settlements and Climate Change (MEPM2110/MURP2112)
Year & Sem:	II Year III Sem
Number of Credits:	3

Subject Objective: To study human settlements in climate change perspective and understand strategies for adaptation and spatial planning tools for mitigation of GHG emissions.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	Reference/ Suggested Readings
Week 1	Introduction to Climate Change Science	Lecture+ Interaction	IPCC Sixth Assessment Report (AR6); UNFCCC Climate Change Basics.
Week 2	Human Settlements in a Changing Climate - location of settlements, Evidences; Concern – Assessment 1	Lecture	IPCC AR6 WGII; UN-Habitat, <i>Cities and Climate Change</i> .
Week 3	Impacts of Climate Change upon Urban Areas;	Lecture+ Interaction	IPCC AR6; World Bank, <i>Climate Change, Disaster Risk and Urban Resilience</i> .
Week 4	Climate Hazard and Vulnerability in the City	Lecture + Hands-on	UNDRR Disaster Risk Reduction Framework; IPCC Risk Framework.
Week 5	GHGs and Climate Change – Review of Assignment 1	Lecture+ Interaction	IPCC AR6 WGIII; UNEP Emissions Gap Report.
Week 6-7	Field Work		Local climate vulnerability assessment using field observations.
Week 8	Climate Risk and Vulnerability in the City	Lecture+ Interaction	ICLEI ACCCRN Process; UN-Habitat Climate Risk Assessment Toolkit.
Week 9	Mid- Semester Assessment week	Written	Review of Unit I & II.
Week 10	Climate Change Adaptation - Case Studies and Video Evidences	Lecture+ Interaction	Case Studies from C40 Cities, ICLEI and UN-Habitat.
Week 11	Climate Change Mitigation, Global Strategies and INDC	Lecture	National Action Plan on Climate Change (NAPCC); India's NDC; IPCC Mitigation Report.
Week 13	Climate Risk Assessment – Analysis and Framework - Assessment 3	Lecture + Hands-on	UNDRR; ICLEI Climate Risk Assessment Framework.
Week 14/15	Guest Lecture	Lecture	Reading material provided by expert.
Week 14/15	Climate Resilient Cities – Indexing and Strategies	Lecture	OECD & World Bank reports on Climate Resilient Cities; ICLEI Resilience Framework.
Week 16-17	Integrated Climate Action Plan - Review	Lecture+ Interaction	Integrated Climate Action Plans of Indian Cities (Ahmedabad, Surat, Chennai etc.).

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Details of Internal Assessments

Tentative Date/Week of the Assessment	Mode of Assessment	Marks of the Assessment
Assessment 1: Climate and Cities	<u>Presentation</u>	<u>10</u>
Assessment 2: Mid-Term	<u>Written Exam</u>	<u>20</u>
Assessment 3: Climate Analysis/Action Plan	<u>Presentation</u>	<u>20</u>

Reference books:

1. IPCC. Sixth Assessment Report (AR6).
2. UN-Habitat. Cities and Climate Change: Global Report on Human Settlements.
3. UNEP. Emissions Gap Report (latest edition).
4. ICLEI. Resilient Cities Programme Publications.
5. World Bank. Cities and Climate Change: An Urgent Agenda.
6. Newman, P. & Jennings, I. Cities as Sustainable Ecosystems.
7. Ministry of Environment, Forest and Climate Change (MoEFCC). National Action Plan on Climate Change (NAPCC).
8. UNDRR. Global Assessment Report on Disaster Risk Reduction.

Note:

1. Any other closed holidays as declared by SPAV shall supersede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.