

School of Planning and Architecture, Vijayawada
Department of Planning,
Lecture Plan

Name of Course:	Human Settlements and Climate Change (MEPM2110/MURP2112)
Programme & Sem:	Master of Planning Semester Three
Course Duration:	Odd Semester 2024-2023
Course Coordinator:	Dr. Anurag Bagade
Number of Credits:	3
Subject Category:	Theory – Elective (For MURP, MEPM, MTP)
Total Periods/Week:	3
Internal Assessment	50 (minimum pass marks 50%)
End Evaluation	50 (minimum pass marks 50%)
Total Marks	100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: To interrelate the 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)	Unit and Assignment
Week 1	Introduction to Climate Change: Science; Evidences; Concer	Assignment 1A: Case Study Review
Week 2	Human Settlements in a Changing Climate - location of settlements, socioeconomic characteristics, cultural practices and governance structure, suitable interventions	
Week 3	Impacts of Climate Change upon Urban Areas;	
Week 4	Climate Hazard and Vulnerability in the City	Assignment 1B: Shocks, Stresses (1A&1B= 10 Marks)
Week 6-7	Field Trip	
Week 8	Group Discussion and Activity: Learning from the field trip	
Week 9	Mid- Semester Assessment week	Written Paper (20 Marks)
Week 10	GHGs and Climate Change	
Week 11	Climate Risk and Vulnerability in the City	
Week 12	Climate Change Adaptation - Case Studies and Video Evidences	Assignment 2A: Mitigation and Adaptation – A UNDP approach
Week 13	Climate Change Mitigation, Global Strategies	
		Guest Lecture

Dr. Anurag Bagade
2/8/24

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	and INDC	
Week 14	Climate Risk Assessment – Analysis and Framework	
Week 15	Climate Resilient Cities – Indexing and Strategies	Assignment 2B: Case Study Assessment Review
Week 16	Integrated Climate Action Plan - Review	(Assignment 2 = 2A and 2B = 10+10 Marks)

Reference books:

1. Betsill M (2005): Cities and Climate Change. Routledge, London.
2. Harriet Bulkeley (2013): Cities and Climate Change. (Routledge Critical Introductions to Urbanism and the City), Routledge, New York.
3. Rosenzweig (2011 Climate Change and Cities: First Assessment Report Of the Climate Change Research Network. Cambridge University press, Cambridge.
4. Zimmermann O (2011 Resilient Cities Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2010. Springer.

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.

