



Department of Planning,
Lecture Plan, Odd Semester, AY 2025-26

Name of Course: M.plan Integrated

Subject Name:	Habitat and Environmental Planning MPIS114
Year & Sem:	M.Plan 1 st Year, 1 st Semester
Course Duration:	21 st July to 12 th November 2026
Course Coordinator:	Dr. Valliappan AL and Mr. Shubham S. Magre
Number of Credits:	3
Subject Category:	Theory (TC)
Total Periods/Week:	3
Internal Assessment	50
End Evaluation	50
Total Marks	100
Total No. of Internal Assessment & Mode	3 internal Assessments

Subject Objective: To give insights on global and local issues of environmental concern and introduce fundamental concepts and policies related to housing.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	Reference/ Suggested Readings
Week 1-	<u>Unit-I</u> Course Introduction; Meaning and Components of Nature; Ecology, Environment and Ecosystem; Why Ecology Matters in Planning; Relationship between Natural Systems and Human Settlements.	Lecture & Discussions	Odum, E.P. & Barrett, G.W. <i>Fundamentals of Ecology (5th Edition).</i> Read Chapter 1, 2 & 3 Miller, G. Tyler & Spoolman, Scott <i>Environmental Science</i> Read Ecosystems and Ecology parts
Week 2	Flow of Materials, Water and Energy; Food Chains, Food Webs, Ecological Pyramids; Succession, Adaptation, Predation and Regulatory Forces; Ecosystem Services; Urban Ecology and Nature-based Solutions.	Lecture	
Week 3	Modifications in Natural Environment; Human-induced Environmental Changes; Environmental Degradation; Ecological Footprint; Carrying Capacity; Introduction to Ecological Planning.	Lecture & Discussions	NCERT Class XI Biology Unit – Ecology • Ecosystem • Ecological Succession • Biodiversity McHarg. Design with Nature Chapters 1–4



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	Mini Activity: Ecological Mapping of SPAV Campus.		
Week 4	<u>Unit-II</u> Evolution of Human Settlements; Civilization and Environmental Transformation; Environmental Ethics; Green Agenda vs Brown Agenda; Global Environmental Movement.	Lecture & Discussions	Singh & Islam Chapter 5 Daniels (2019). Ecology and its Relevance to Planning UN-Habitat – World Cities Report (Introduction)
Week 5	Climate Change, Global Warming, Biodiversity, Environment and Poverty; Sustainable Development Goals (SDGs); Paris Agreement; Environmental Planning Frameworks; Indian Environmental Policies	Lecture & Discussions	IPCC Sixth Assessment Report (AR6) Summary for Policymakers UN Sustainable Development Goals (Goals 11, 13 & 15) MoEFCC Environmental Policies
Week 6 & 7 23 rd Aug-6 th Sep 2025	Field Work		
Week 8	<u>Unit III</u> Environmental Resources; Ecosystem Services; Natural Resource Classification; Sustainable Consumption; Conservation and Circular Economy; India's Environmental Programmes.	Lecture & Discussions	Ma et al. (2011). Natural Resource and Environmental Economics Chapters 1–3 Millennium Ecosystem Assessment Chapters 1–2 Bouma & van Beukering (2015). Ecosystem Services Chapters 1–2
Week 9 15-19 th September	Mid- Semester Assessment week		
Week 10	Forest, Wildlife, Water Resources, Wetlands, Hills, Coastlines and Local Climatic Zones; Vulnerability Analysis; Climate Resilience; GIS Applications in Environmental Planning.	Lecture & Discussions	Daniels (2014) Chapters on Climate Adaptation & Environmental Planning Millennium Ecosystem Assessment Biodiversity Chapter



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Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode	Reference/ Suggested Readings
			Relevant MoEFCC reports on Wetlands and Forests
Week 11	<u>Unit IV</u> Housing and Built Environment; Housing as a Basic Human Right; Housing in National Development; Residential Location Theories; Housing Demand and Need Assessment.	Lecture & Discussions	Kilmartin & Singh (1992). Housing in the Third World Chapters 1–3 Affordable Housing Reader (Tighe & Mueller, 2013) Introduction Affordable Housing Governance & Finance (Van Bortel, Gerard, Vincent (2018)
	Workshop - Housing Need Calculation. (Tentative theme)		
Week 12	Housing Typologies; Housing Norms; Densities and Standards; Housing Shortage Estimation; Housing Finance; Institutional Approaches; PMAY and Affordable Housing.	Lecture	URDPFI Guidelines (2015) Housing Standards Chapter PMAY (Urban) Mission Guidelines National Housing Bank Publications National Urban Housing & Habitat Policy (2007)
Week 13	Urban Sprawl; Environmental Damage due to Urban Expansion; Green Buildings; Gender-responsive Neighbourhood Planning; Inclusive Housing; Climate-resilient Settlements.	Lecture	Daniels (2014) Green Infrastructure Chapter UN-Habitat – World Cities Report Chapters on Urban Growth IGBC/GRIHA Green Building manuals (selected sections)
Week 14	<u>Unit V</u> Affordable Housing; Housing for Low-income Groups; Slums; Informal Settlements; Cooperative Housing; Housing	Lecture & Discussions	Affordable Housing Reader (2013) Chapters 2–5 Housing in the Third World Selected



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	Finance; Public-Private Partnership in Housing.		Chapters UN-Habitat Housing Reports
	Guest Lecture - Affordable Housing Practice in India. (Tentative topic)		
Week 15	Housing Acts, Policies and Programmes; Comparative Housing Policy Analysis (India, Singapore, Netherlands); Emerging Issues in Housing.	Lecture & Discussions	National Urban Housing & Habitat Policy (2007) PMAY Guidelines UN-Habitat Housing Policy reports (Singapore & Netherlands case studies)
Week 16	Contemporary Issues in Habitat Planning: Net Zero Cities; Circular Economy; Smart Cities; Blue-Green Infrastructure; Nature-based Solutions; Course Review.	Lecture & Discussions	Daniels (2014) Contemporary Environmental Planning IPCC AR6 Urban Systems Chapter Recent UN-Habitat reports on Nature-based Solutions
Week 17 end of class work	Revision; Clarification of Difficult Topics; Assignment Review; End Semester Preparation.	Lecture & Discussions	

Details of Internal Assessments

Tentative Date/Week of the Assessment	Mode of Assessment	Marks of the Assessment
<u>Week 5</u>	Google classroom submissions	<u>10</u>
<u>Week 10</u>	Google classroom submissions	<u>10</u>
<u>Week 15</u>	Google classroom submissions	<u>10</u>

Reference books/Readings :

1. Daniels, T. L. (2014). *The Environmental Planning Handbook for Sustainable Communities and Regions*.
2. Bouma, J. A., & van Beukering, P. J. H. (2015). *Ecosystem Services: From Concept to Practice*.
3. McHarg, I. L. (1969). *Design with Nature*.
4. Morgan, M. (Ed.). (2019). *Ecology: Concepts and Applications*.
5. Vedder, A. (Ed.). (2017). *Landscape Ecology: Concepts, Methods and Applications*.



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6. Odum, E. P., & Barrett, G. W. (2005). Fundamentals of Ecology (5th Ed.)
7. Tighe, J. R., & Mueller, E. J. (Eds.). (2013). Affordable Housing Reader.
8. Kilmartin, L., & Singh, H. (1992). Housing in the Third World.

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.

Mr. Shubham S.Magre

Dr. Valliappan AL

Signature of the Faculty