



Department of Architecture

Course: **ARC514 - Urban Design**

Instructors: Deepak Kumar

Contact Periods/ week: 4 periods.

Lecture : 2 periods

Time Table:

Studio/Lab/Workshop/Practical's : 2 periods

Class: Vth Yr B. Arch IX Sem A.Y. 2024-25

Internal Assessment: 50

End Examination: 50

Total Marks: 100

Credits: 3

**Objective: To introduce Urban design as a professional discipline situated at the interface between architecture, landscape architecture and urban planning; To sensitise the students about the concept of public realm, understanding of the city as a three dimensional entity and perception of spaces at multiple scales; familiarize with the implementation processes through various statutory and non-statutory guidelines.**

**LECTURE PLAN**

WEEK	WEEK	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1	Introduction to Urban Design and its relationship with Architecture and Planning. Introduction to the concept of Placemaking, Public Realm. Brief on Evolution of Urban Design as Discipline	Discussion on Urban Rural divide and introduction of how Urban Design study is done. Assignment to create poster Defining 'Urban Design.'
2	Week-2	Objectives and Urban design Aspects Introduction of Jan Gehl and 'Brazilian Syndrome'	Assignment on finding out the urban design characteristics like diversity, identity, character.
3	Week-3	Dimensions of the city, a. Visual, b. Functional, c. Morphological and d. Temporal. Detailed lecture and discussion on <b>Visual Dimension</b>	Exercises on tools to explore visual dimensions and visual survey of a place. <b>Identification of Public space around Vijayawada which can be taken up for their study.</b>
4	Week-4	Detailed lecture and discussion on <b>Functional Dimension</b>	Exercises on tools to analyse and present functions dimensions of identified public space.
5	Week-5	Detailed lecture and discussion on <b>Morphological dimension, importance of urban form and its people.</b>	Exercises to explore how morphology is just an extension of Architecture to its immediate surrounding.
6	Week-6	Detailed lecture and discussion on <b>Temporal Dimensions.</b>	Exercises on tools to capture, analyse and represent temporal dimensions of a place.
		<b>First stage: Assessment –1</b>	<b>15</b>
7	Week-7	History of Urban Design, Manifestation of public space in ancient cities. Why Public? Why	Exercises on Nolis plan for ancient cities and public spaces on the same scale..
8	Week-8	Best Public Spaces in the world. What is not public?	<b>Discuss and marking on urban design survey and analysis done in city.</b>
9	Week-9	Urban renewal and urban sprawl; Concepts of , Compact City, Discussion on ongoing research on Healthy City and Walkable City	Brief (Mapping) Exercises on the identifying Urban Design characteristic of their chosen area.
		<b>Mid Semester Examinations (As per Academic Calendar)</b>	
10	Week-10	Relationship of urban design with economic, environmental and social sustainability; Urban renewal and urban sprawl;	Discussion.
11	Week-11	<b>Concepts of Transit Oriented Development, Compact City, Healthy City and Walkable City</b>	Discussion.
12	Week-12	What is Mapping? Why mapping is done?	Exercise on techniques to mapping.
11	Week-13	<i>Discussion of article ' Territories of Urban Design ' by Alex Krieger and Types of planning instruments, structure plans, master plans and local area plans and zoning guidelines.</i>	Discussion on recorded lecture from MIT/Harvard or from a recognized source.
12	Week-14	Lecture on Street Design Guidelines by UTTIPEC, DUAC and pedestrian friendly cities, PUD, SEZ; Design communication and role of public participation.	Discussion on the intervention areas in their public space.
		<b>Third stage: Assessment –3</b>	<b>15</b>

13	Week-15	Discussion and marking	Discussion and marking of Interventions.
14	Week-16	<b><i>Exhibition of work to the college</i></b>	
16	Week-17	<b>End of Classwork</b>	
<b>S. No.</b>	<b>Stages of Evaluation</b>		<b>Weightage</b>
1	First stage: Assessment –1		15
2	Second stage: Mid-semester Examination		20
3	Third stage: Assessment –3		15
	Total		50

**Reference Books: (From Syllabus)**

1. BACON, E. N. (1974). Design of cities. London, Thames & Hudson.
2. HALL, P. (1982). Great planning disasters. Berkeley, University of California Press.
3. HALL, P. (2002). Cities of tomorrow: an intellectual history of urban planning and design in the twentieth century. Oxford, UK, Blackwell Publishers.
4. JACOBS, J. (1961). The Death and Life of Great American Cities. Jacobs, Jane. 1969. The Economy of Cities. New York: Vintage Press.
5. KOSTOF, S. (1992). The city assembled: the elements of urban form through history. Boston, Little, Brown.
6. KRIER, R. (1979) Urban Form and Space, Academy Editions.
7. LANG, J. T. (2005). Urban design: a typology of procedures and products. Oxford, Elsevier/Architectural Press.
8. LYNCH, K. (1960). The image of the city. Cambridge, Mass, MIT Press.
9. LYNCH, K. (1972). What time is this place? Cambridge, MIT Press.
10. LYNCH, K. (1981). A theory of good city form. Cambridge, Mass, MIT Press.
11. MARSHALL, S. (2009). Cities design and evolution. Abingdon, Oxon, Routledge.
12. MUMFORD, L. (1961). The city in history: its origins, its transformations, and its prospects. New York, Harcourt, Brace & World.
13. ROGERS, R. G., & GUMUCHDJIAN, P. (1998). Cities for a small planet. Boulder, Colo, Westview.
14. ROSSI, A. (1995). L'architettura della città. Milano, Città studi.
15. SPREIREGEN, P. D. (1965). Urban design: the architecture of towns and cities. New York, McGraw-Hill.
16. WATSON, D., PLATTUS, A. J., & SHIBLEY, R. G. (2003). Time-saver standards for urban design. New York, McGraw-Hill

<b>Course Instructors:</b> (Mr. Deepak Kumar)	<b>Head of Department :</b> (Dr. Srinivas Daketi)
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