



School of Planning and Architecture: Vijayawada
(An institution of National Importance under the Ministry of Education, Govt. of India)
S.No. 4/4, I.T.I Road, Vijayawada – 520 008, Andhra Pradesh, India

Department of Architecture

Course: **ARC 514; URBAN DESIGN**
Instructors: Dr. G.Karteek

Class: V Yr B. Arch IX Sem A.Y. 2025-26

Internal Assessment: 50

External Exam: 50

Total Marks: 100

Credits: 3

Contact Periods/ week: 3periods,(studio) 2(Theory)+1(Tutorial)

Time Table: Tuesday, Sec-A (3 hours)

Attendance: Min 75% Min. Passing Marks: 50% each in Internal & External Assessment, 50% in Aggregate

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.

Expected Outcome:

Students completing this course will be able to:

1. Explain the role of urban design as a professional discipline situated at the interface between architecture, landscape architecture and urban planning.
2. Demonstrate their sensitivity towards public realm and understanding of the city as a three dimensional entity and perception of spaces at multiple scales in their design projects.
3. Design architectural projects more contextually and in healthy relationship with neighborhood and city level.

LECTURE PLAN

WEEK	WEEK/DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1	Unit I Introduction and Scope Relationship between Architecture, Urban Design and Town Planning	Lecture by Faculty and Tutorial exercise- Reading material - "Image of the City" by Kevin Lynch
2	Week-2	Brief review of the evolution of urban design as a discipline, basic principles and theories	Discussions on Lecture and Tutorial
3	Week-3	Broad understanding of urban forms and spaces at various spatial scales through examples from historic cities.	Submission of Tutorial exercise-I
4	Week-4	Unit II Elements of Urban Design Understanding the city as a three dimensional element; Urban form as determined by interplay of masses, voids, order, scale, harmony, symmetry, colour and texture, townscape elements and related examples	Discussions on Tutorial
5	Week-5	Organization of spaces and their articulation in the form of squares, streets, vistas and focal points;	Lecture and Discussions
6	Week-6	Concept of public open space; Image of the city and its components such as edges, paths, landmarks, street features.	Lecture and Discussions
7	Week-7	Unit III Typologies and Procedures Concepts of public and private realm; understanding different types and procedures of urban design interventions their scale relationships	Lecture and Discussions

8	Week-8	Constraints and challenges of urban design in democratic versus authoritarian settings.	Lecture and Discussions
9	Week-9	Unit IV Urban Design and Sustainability Sustainability concept; Relationship of urban design with economic, environmental and social sustainability	MID Term Assessment and Lecture
10	Week-10	Urban renewal and urban sprawl	Lecture and Discussions
11	Week-11	Concepts of Transit Oriented Development, Compact City, Healthy City and Walkable City	Lecture and Discussions
12	Week-12	Group Discussions aligned with Studio work	Discussions on Studio work
13	Week-13	Unit V Urban Design Implementation Urban design and its control; Institutional arrangements for design and planning, their roles, powers and limitations	Lecture and Discussions
14	Week-14	Types of planning instruments, structure plans, master plans and local area plans and zoning guidelines, PUD, SEZ;	Lecture and Discussions
15	Week-15	Design communication and role of public participation.	Submission of Tutorial exercise-I
16	Week-16	Syllabus Revision and Final assessments	Submission of attendance and marks
S. No.	Stages of Evaluation		Weightage
1	Tutorial Exercises & Presentations		25%
	Final internal Evaluation		25%
2	End Semester Examination		50%
	Total		100

Reference Books:

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

Course Instructors:

Dr. G.Karteek

Head of Department:

(Prof. Dr. Amitava Sarkar)