



## 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:** MUD213; Urban Design Research Lab-I (2025)  
**Instructors:** Dr. G.Karteek

**Class:** MUD I yr II SEM  
**Internal Assessment:** 50  
**External Jury:** 50  
**Total Marks:** 100  
**Credits:** 3

**Contact Periods/ week:** 3 periods, 1 Lecture + 2 Research

**Time Table:** 3 hours

**Attendance:** Min 75%

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

#### Objective:

The objective of urban form laboratories is to allow free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as connected production of urban form and space. These laboratories are to provide platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form.

The laboratories will conduct short or long duration design experiments/research programs that will be offered to students.

#### Course Content:

- The research topic/areas shall have direct linkage with the studio program.
- The lab is also aimed to provide research platforms for inter/multi-disciplinary engagement of participants from varying backgrounds towards engaging with selected aspects of built environment conditions and/or project future scenarios of urban form.
- The Lab will extend possibilities of self-driven explorations on urban form as also collective pursuits of design and allied explorations. • The expected outcome might be in form of research publications on the explorations.

#### LECTURE PLAN

WEEK	WEEK/DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK & ASSIGNMENTS / REMARKS
1	Week-1	Introduction to Urban Design Research	Lecture by Faculty
2	Week-2	<i>Identifying research topics</i>	Tutorial and discussions
3	Week-3	<i>Lecture session- Research, Types of research</i>	Lecture and Discussions on Tutorial exercises
4	Week-4	Lecture session- Writing Abstract	Lecture and Discussions on Tutorial exercises
5	Week-5	Discussions on Lab exercise	Completion of Assessment- I
6	Week-6	Study Tour	Scheduled as per Academic Calendar
7	Week-7	Study Tour	Scheduled as per Academic Calendar
8	Week-8	<i>MID TERM Assignment Submission</i>	Completion of Assessment- I
9	Week-9	Discussions on Lab exercise	Discussions on Tutorial exercises
10	Week-10	<i>Discussions on Lab exercise</i>	Discussions on Tutorial exercises
11	Week-11	<i>Lecture on "Writing Hypothesis and Referencing styles"</i>	Lecture and Discussions on Tutorial exercises
12	Week-12	<i>Review of Urban Design Research in India and abroad</i>	Lecture and Discussions
13	Week-13	<i>Discussions on Lab exercise</i>	Discussions on Tutorial exercises
14	Week-14	<i>FINAL DRAFT of Lab work</i>	Discussions on Tutorial exercises
15	Week-15	<i>FINAL SUBMISSION of Research Assignment</i>	Completion of Assessment- II
16	Week-16	<i>Submission of marks/Attendance and revision</i>	END of SESSION

<b>S. No.</b>	<b>Stages of Evaluation</b>	<b>Weightage</b>
1	Assessment-I (Mid Term)	40%
2	Assessment-II	60%
3	<b><i>Internal Assessment</i></b>	<b>50</b>
4	<b><i>External Jury</i></b>	<b>50</b>

**Reference Books:**

1. Batty, M. (2001). "Exploring isovist fields: space and shape in architectural and urban morphology," Environment and Planning B: Planning and Design 28, 123-150.
2. Becker, Lucinda M. (2015). Writing Successful Reports and Dissertations. Los Angeles. SAGE
3. Gaur, Ajai S (2011). Statistical Methods for Practice and Research: A Guide to Data Analysis Using SPSS. Response books, New Delhi
4. Hillier, B. & Hanson, J. (1984). The social logic of space. Cambridge: Cambridge University Press.

**Course Instructors:**

(Dr. Karteek.G)

**Head of Department:**

(Dr. D.Srinivas)