



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-II
Instructors: Dr. G.Karteek

Class: MUD II yr III SEM
Internal Assessment: 50
External Jury: 50
Total Marks: 100
Credits: 4

Contact Periods/ week: 4 periods, 1 Lecture + 3 Tutorials

Time Table: 4 hours

Attendance: Min 75%

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

Objective:

To allow students to explore research areas which are contemporary and can address global as well as local issues, critical analysis and interpretation of urban phenomena and data. It will guide both studio and non-studio based enquiries of students towards structured, systematic and targeted research yielding qualitative and quantitative outputs.

Course Content:

- The research topic/areas shall have direct linkage with the studio program.
- The students shall be allowed to have free experimentation and in-depth inquiry into the patterns and processes of urbanism as well as the connected production of urban form and space.
- 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 expected outcome might be in form of research papers/ research projects with active engagement with the research organisations or alike.
- Students shall be encouraged to collaborate with National and international agencies who work on research related with Urban studies like UN-HABITAT, Centre for Policy Research (CPR), India Institute of Human Settlement (IIHS, DUSP/MIT) etc. to see the current trend of research and streamline their work accordingly.

LECTURE PLAN

WEEK	WEEK/DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1	IDENTIFYING RESEARCH: Identifying research domains and Review of Urban Design Research in India and abroad <i>Experimentation and In depth enquiry, Exploring research tools in Urban Design</i>	Lecture by Faculty
2	Week-2	DEVELOPING RESEARCH: Developing contextual background; Research design; Identification of research problem; Research questions; Formulation of hypothesis; Writing aims, objectives, scope and limitations; Review of relevant literature; Identification of suitable research methods/ techniques/ instruments; Data collection – questionnaires, sampling techniques, observation, interviews	Lecture and Discussions on Tutorial exercises
3	Week-3	QUALITATIVE RESEARCH: Qualitative Research: Defining and delineating qualitative research; Preparatory thoughts developing ideas and theories QUANTITATIVE RESEARCH: Statistical data – collection, tabulation and presentation of data; Questionnaire design, sampling, data coding and validation	Lecture and Discussions on Tutorial exercises
4	Week-4	RESEARCH VOCABULARY: Reading – notes taking, material organisation, indexing; Technical writing – content synthesising, paraphrasing, citation and referencing	Lecture and Discussions on Tutorial exercises
5	Week-5	ACADEMIC WRITING– Research proposal Aligned with Thesis/ synopsis, abstract writing, report writing; Mapping – manual and digital map preparation	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	PRESENTATION : Effective oral communication – content structuring, voice modulation, body language, audio-visual aids, handouts	Discussions on Tutorial exercises
9	Week-9	MID TERM Assignment Submission	Scheduled as per Academic Calendar Completion of Assessment- II
10	Week-10	RESEARCH METHOD: Exploring research Methods, techniques, use of softwares for analysis and validation	Lecture and Discussions on Tutorial exercises

11	Week-11	RESEARCH ETHICS – Prior permission and intimation, conduct of interview, asking right question, confidentiality, elimination of bias and suspicion; Roles and	Lecture and Discussions
12	Week-12	Discussion on Lab exercises	Lecture and Discussions
13	Week-13	Discussion on Lab exercises	Lecture and Discussions
14	Week-14	FINAL DRAFT of Lab work	Discussions on Tutorial exercises
15	Week-15	FINAL SUBMISSION of Research Assignment	Completion of Assessment- III
16	Week-16	Submission of marks/Attendance and revision	END of SESSION

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

Reference Books:

- 1.Book Chapter: Chapter 1: Elizabeth Koshy, Valsa Koshy, Heather Waterman (2011) What is Action research? ,Action Research in Healthcare Sage Publications http://www.sagepub.in/upm-data/36584_01_Koshy_et_al_Ch_01.pdf
- 2.Book Chapter: Chapter 2: Identifying Research Problem and Question, and Searching Relevant Literature, Sage Publications, pp 21-42
- 3.Book Chapter: Chapter 3: Formulating Research Problem, Sage Publications, pp 39-58
- 4.Book Chapter: Chapter 3: Literature Review and Focussing the Research, Sage Publications, pp89-121
- 5.Book Chapter: Chapter 7: Testing Hypothesis, Sage publications http://www.sagepub.in/upm-data/43443_7.pdf
- 6.Book Chapter: Data Collection Methods- by Sage publications. http://www.sagepub.com/upm-data/10985_Chapter_4.pdf
- 7.data/10985_Chapter_4.pdf
- 8.Book: Keith F. Punch (2013) "Introduction to Social research: Qualitative and Quantitative Approaches" Sage Publications, London
- 9.Publications, London
- 10.Creswell, J.W. (1998). Qualitative inquiry and research design: Choosing among five traditions. Thousand Oaks, CA: Sage
- 11.Cross Well .John N (nd) Educational Research:Planning,Conducting,and evaluating Quantitative and Qualitative Research
- 12.Crotty, Michael, (nd). Introduction: The Research Process, The Foundations of Social Research, Meaning and Perspective in the Research Process, Sage Publications.
- 13.Denzin, N., & Lincoln, Y. (2003). The Landscape of qualitative research: Theories and issues. 2nd ed. Thousand Oaks: Sage
- 14.Frankfort, Nachmias, C., & Nachmias, D. (2008). Research methods in the social sciences. 7th ed. New York:Worth
- 15.Neville, Colin (2007). An Introduction to Research and Research Methods. Effective Learning Services, School of Management, University of Bradford
- 16.Sage-Harvard reference style. http://www.lse.ac.uk/genderInstitute/journals/EJWS/PDF/SAGE_Harvard_reference_style.pdf
- 17.Stake, R. (1995). The art of case study research. Thousand Oaks, CA: Sage

Course Instructors:

(Dr. Karteek.G)

Head of Department:

(Prof. Dr. Amitava Sarkar)