

GUJARAT TECHNOLOGICAL UNIVERSITY
BRANCH NAME: B. Arch
SUBJECT NAME: Design Seminar-II
SUBJECT CODE: 2X95004
5th Year: Semester-IX

Pre requisite: It is assumed that students have developed an understanding of Architectural / Social / Cultural issues pertaining to the urban areas, and should be aware that traditional approaches may not be suitable to address the current challenges of the emerging world.

Rationale: The course aims to develop a critical stance towards the urban concerns in our own context, using the theories and tools presented during the course. The broad aim of the course is to increase sensitivity and awareness of students towards urban issues. The Design seminar shall focus on theoretical and onsite learning.

Teaching and Assessment Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio	C	External Exam		Internal Exam		100	JURY
1	1	2	4	Theory	Viva	Theory	Viva		
				00	40	00	60		

Content:

SR. No.	Content	Total Hours	Weight age
1	Introduction: Focus on the physical components of cities and their design. Cognitive mapping –Image ability and Elements of urban design. Urban scale; Intimate, Urbane and Monumental. Human scale and Generic scale in Urban Design. Urban spaces – Concepts of place and space, Hierarchy and nature, geometrics and Typologies, sense of enclosure, detail design aspects;	12	20%
2	Building typology and its impact on urban form; Urban Massing in Built form – pattern, texture, grain and density. The integration of movement, activity and urban form. The impact of climate and land form on urban form. The size, shape and structure of cities. Methods of urban design surveys, documentation and representation.	12	20%
3	Urban issues : Mapping, Documenting urban issues such as Migration, Mobility, Environmental concerns, Urban open spaces-their qualities and concerns, Urban fabric, Form based codes, Housing and its concerns, Urban poor and access to basic services to urban poor ,Urban conservation, Health, hygiene, Urban sanitation , Education and related concerns	16	25%
4	Case Studies and Regulations: Relevant case studies and their analysis, literature review, exercises related to relevant or appropriate typologies, contexts, climate, construction systems and materials. Information and acquaintance of Relative urban development guidelines/ Housing Guidelines, Byelaws, and Regulatory norms.	16	25%
5	Modern approaches to Urban Design: This section tries to address the large gap in the current mainstream discourse between the physical manifestation of cities of future and a well-defined urban vision for the spatial and typological configurations of the smart city. The introduction to smart city principles and ICT (Information, communication and Technology) to be discussed.	08	10%

*: indicative.

References:

1. The City Reader pg.no. 149
2. ITDP Street Design Manual
3. Master Plan of Delhi 2021
4. Bangalore street design by Jana Urban Space Foundation
5. Why Urban India floods by CSE
6. Excreta Matters by CSE
7. Down to Earth by CSE
8. Great streets by Allan Jacobs
9. Streets (Inclusive Urban Design)
10. Urban Space by Rob Krier
11. The Social life of Small Urban Spaces by William H Whyte
12. Public Toilets (Inclusive UrbanDesign)
13. Housing and Habitat Policy 2014
14. Housing Schemes in five year plans

List of Projects/Assignments*:

Lectures/Tutorial work shall consist of presentations on various topics of the subject. AV projects may be introduced to students for documenting best practices and advances through case studies. Coursework shall consist of lectures/presentation on various topics listed above supported with visuals in form of drawings, sketches, photographs, models etc. Written assignments with sketches, drafted drawings for construction detailing and model making exercises, presentations etc can be given to students. Site visits, market surveys and various other ways to engage with industry must be incorporated in this course

*- this is suggestive for common purpose. Faculty may decide on this, considering student group and institution philosophy.