

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH NAME: B. Arch

SUBJECT NAME: Urban Planning

SUBJECT CODE: 2X95002

5th Year: Semester-IX

Pre requisite: It is assumed that the students have basic understanding of the determinants/ the generators that forms the urban area, i.e; The services at city/ town level, transportation and infrastructure within the particular area.

Rationale: To develop sensitivity to factors influences in planning an urban area, to develop understanding of principles and techniques of urban planning and apply them to actual situations/conditions. To expose the students to the history and development of planning, its relevance & application to modern day principals of urban planning.

Teaching and Assessment Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio	C	Theory Marks		Practical Marks		100	Theory Exam
1	2	1	4	ESE (E)	PA (M)	ESE(V)	PA (I)		
				50	50	00	00		

Content:

SR. No.	Content	Total Hours	Weight age
1	Introduction: Understanding the term Urban: Definitions and Approaches, looking at how various theorists have defined / understood the “urban” or the “city” as an object of investigation. Evolution of human settlements & Interpretation of urban forms – historic determinants and settlement types; an overview of landmark developments in conceptual theories related to settlement patterns and the resulting dynamics of changing urban forms and interpretation of urban form. Understanding where Urban design, Urban Planning and Architecture takes shift in terms of projects and design.	12	20%
2	Theories of Urban/ Town Planning Definitions of town planning, form of planning, Elements and planning principal of city plan, Shapes of plan in accordance to road networks. Introduction to basic planning theories Indus Valley, Ancient (Vedic) planning systems. Understanding of Terminologies such as Tissue, Block, Grains, Porosity, Typology, District, Landmarks.	08	10%
3	Planning Concepts and Evolution: Planning concepts related to City beautiful < movement (Chicago, Chandigarh), Urban Utopia (Broadacre), Garden city (Letchworth), Radburn Theory (Radburn) and Neighborhood planning.	12	20%
4	Planning Process & Standards: Understanding of planning process. Relevance of standards in planning as per URDPFI guidelines prepared by TCPO. Mechanisms such as –significance of land use planning, Development Plan & various methods of managing land as TP Schemes etc.	12	20%

5	Modern Transportation Systems: New concepts in mass and rapid transportation systems e.g. BRT, LRT and Metro rail.	08	10%
6	Modern Approaches in Urban Planning: Introduction, Benefits and Planning components of Green City (e.g. Vancouver), Vertical City, Compact City (e.g. Sky city, China) and Smart City (e.g. Malta)	12	20%

*: indicative

References:

1. Architecture of Town & Cities, Paul Spreiregen
2. Image of the City, Kevin Lynch
3. Good City Form,, Kevin Lynch
4. Town & Squares, Paul Zucker
5. John Ratcliffe, An Introduction to Town and Country Planning, Hutchinson 1981
6. Arthur B. Gallion and Simon Eisner, The Urban Pattern – City planning and Design, Van Nostrand Reinholdcompany
7. Rangwala, Town Planning, Charotar publishing house
8. Rame Gowda, Urban and Regional planning
9. V.N.Ambedkar, Town and country planning and Housing, orient longman, 1971
10. URDPFI Guidelines for Planning by TCPO.
11. IRC Guideline.
12. Abir Bandhopadhyay, Town Planning.

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. A group discussion or forum may be organized for discussion on various aspects of the subject.

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