

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BRANCH NAME: B. Arch**

**SUBJECT NAME: Ekistics**

**SUBJECT CODE: 2x85006**

**4th Year: Semester-VIII**

**Pre requisite:**

There is assumed that students, taking this elective course, have the basic understanding of all kinds of human settlements, relationships between town planning and architecture, it also involves the explanations of concepts of density, FAR, land use, Zoning and various networks of cities.

**Rationale:**

It involves the study of all kinds of human settlements, with a view to geography and ecology - the physical environment — and human psychology and anthropology, and cultural, political, and occasionally aesthetics, organized in five ekistics elements: Nature, Anthropolos, Society, Shells, and Networks.

**Teaching and Assessment Scheme:**

Teaching scheme			Credits	Examination marks				Total marks	University exam type
Field work	Lectures	Studio	C	External Exam		Internal Exam		100	VIVA
1	2	1	04	(ESE) Theory	(ESE) Viva	(PA) Theory	(PA) Viva		
				00	50	00	50		

**Content:**

SR No	Content	Total Hours	Weight age
1	<b>Introduction-</b> Meaning and scope in relation to town planning and architecture, Ekistics Grid of Doxiadis.	8	10%
2	<b>Settlements through Civilizations:</b> Evolutions civilizations- Mesopotamian, Egyptian, Greek, Roman and Indus valley, Settlement Patterns in later periods of history, changing form and pattern of human settlements in ancient, medieval, colonial and modern India.	10	15%
3	<b>Early Town Planning Movements:</b> Industrial revolution and its impact on settlements, early developments in town planning, contributions of visionaries, and social reformers, City beautiful movement by Daniel Burnham, Concepts of an ideal city by F.L Wright, Le Corbusier, and Others, Clarence Perry's neighborhood concept, contributions of Ebenezer Howard and other English and European personalities, and works in India.	12	20%
4	<b>Urban Structure:</b> City plan patterns based on road systems, foreign, and Indian examples, categories of urban structures and growth, functional components and dynamics of towns , categories of urban and rural settlements in terms of size and function, definition, and explanation of concepts of density,	10	15%

	FAR, land use and zoning, case studies of land use of Indian cities.		
<b>5</b>	<b>City Planning and Management:</b> Emergence of metropolitan Phenomenon. A comparative study of cities and metropolises in the developed and developing countries, planning problems of cities and solutions, city management and governing institutions, planning and development plan/ master plan- its preparation and contents, case studies.	14	25%
<b>6</b>	<b>Rural and regional systems:</b> The rural- urban relationships, types of regions and their classification systems, physical and socio-economic structure and dynamics of rural settlements, rural planning.	10	15%

\*: indicative

#### References:

- Ekistics: an introduction to the science of human settlements, Konstantinos Apostolou Doxiades, Oxford University Press, 1968.
- Concept for Future Development (1970) (Detroit Edison Co., Detroit) 1 past journals "Ekistics" published by Ekistic Institute, Athens, Greece
- The Evolution of Human Settlements from Pleistocene Origins to Anthropocene Prospects by Bowen, William M., Gleeson, Robert E.
- Bacon, E; "Design of Cities", Penguin.
- Sir Abercrombie, "town and Country Planning" 3<sup>rd</sup> Edition, Oxford University Press.
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#### 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.