

GUJARAT TECHNOLOGICAL UNIVERSITY

CIVIL (TOWN & COUNTRY PLANNING) (48)

HOUSING FOR SPECIAL AREA

SUBJECT CODE: 2724813

SEMESTER: II

Type of course: Open Elective

Prerequisite: Basic understanding on concept of housing, building byelaws; CAD operations

Rationale: To understand an urban area & rural area's character and for its development. It further helps for an "Integrated Development Plan" for special areas dealing with various housing patterns and the effect of communities on specified areas

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks						Total Marks
L	T	P		Theory Marks		Practical Marks				
			ESE (E)	PA (M)	ESE (V)		PA (I)			
					ESE	OEP	PA	RP		
3	2#	2	5	70	30	20	10	10	10	150

Content:

Sr. No.	Content	Total Hrs	% weightage
1	Special Areas Inner City Housing: Evolution and Historical Background, community, spatial Characteristics, housing transformation of core city, impact of transformation, Problems of inner cities, policies and programmes. Fringes / Peri-urban / Sub-urban Housing: Rural urban linkages, characteristics of fringe areas, development process and various modes of land Supply in fringe area, case study with special emphasis on housing. Housing finance; Arid / Coastal / Hilly Region Housing: Settlement and shelter characteristics, Materials and technology, design standards, climatic factors, danger of hazards, Settlement planning, development policies and programmes, industrial townships	18	33
2	Special groups Housing for Aged / Physically Challenged: Concept and definition of old age characteristics of aging population, profile and growth of elderly persons, classification of elderly population, problems of elderly planning and design considerations for elderly, case study with special reference to housing.	9	17
3	Housing for women, children and refugees Importance of gender in housing, housing planning and design considerations with women perspective – hierarchy of spaces at macro and micro level, shelter for low income women, design considerations for urban and rural women, housing options for different categories for	15	28

	single women, government schemes, case study with special reference to housing. Concept of refugees, types of refugees, norms for treatment of refugees, refugees and housing, problems of refugees, planning considerations for the refugees, case study areas with reference to housing.		
4	Housing for shelter less and Tribal Shelter less in the context of urban poor, psychological and social implications of poverty on homeless, homeless in metropolis, problems of homelessness, various interventions, night shelters, case studies; Socio cultural and economic profile, settlement characteristics, housing typology, formulation of housing schemes, policies and programmes, for tribal up-liftment, case study area	12	22

Reference Books:

1. Robin D. Tribhuvan (2005); "Tribal housing issues"; Discovery publishing house; New Delhi (ISBN: 81-7141-971-8)
2. C. Parvathamma, Satyanarayana; "Housing, Rural Poor, and Their Living Conditions"; Gian Publishing House (ISBN: 8121200881)
3. A. K. Lal (2003); "Handbook on Low cost housing" New Age International Publishers, New Delhi (ISBN: 81-224-0789-7)
4. Qazi Ashfaq Ahmad (2007); "Planning and Design of Rural Housing for India"; University of Wisconsin--Madison

Course Outcome:

After learning the course the students should be able to:

Studied in depth about criteria for housing pattern according to climatic conditions, policies and programs to provide shelter for poor and people living in different condition at different type of geography. Also sensitivity is generated towards the role of different housing finance institution, mechanisms of funding and formulation of various government schemes.

Lab work (Practical):

1. Students to be assigned to learn one specific special area for which assessment to be carried out; need for planning efforts to be identified through sample survey and analysis (within 6-8 weeks)
2. Students shall select an area with special conditions as per syllabus for which a planning proposal shall be worked out with analysis. Submission shall include poster presentation, report of proposal with existing situation analysis. (10 weeks).

Assignment work (Tutorial):

1. Students shall refer the books and reference materials and prepare answers to the assignment problems including the topics of syllabus.
2. Students independently to prepare a "Graduate Report" including different incidents; Innovative Technique and Practice and submit the same with presentation.
3. Students will independently study a case referring to special housing area development by identifying potential, refer to relevant documents and prepare brief report which shall be presented.

Research Paper (RP):

Each students shall study at least two research papers from the listed journals on GTU portal. Each paper shall be studied – students shall prepare brief report on paper and present the findings. The same shall be presented among all students and submit to university.

Open ended problem (OEP)

1. Why specific care is needed while planning housing for special area? Discuss any two cases.
2. By which means the existing policies for housing be made more effective?
3. Which character of geography governs the housing complex type and layout? Support your answer with at least three suitable, comparative examples.
4. Why quality living for tribal citizens is considered to have impact?

Major Equipment:

Computers with higher configuration and internet, server

List of Open Source Software/learning website:

- UN-Habitat publications (<http://mirror.unhabitat.org/pmss/>)
- National Housing Bank (www.nhb.org)
- Various schemes of poor upgradation by government of India (<http://gov.bih.nic.in/Schemes.htm>)
- Rural development (<http://planningcommission.nic.in/sectors/index.php?sectors=rural>)

Review Presentation (RP): The concerned faculty member shall provide the list of peer reviewed Journals and Tier-I and Tier-II Conferences relating to the subject (or relating to the area of thesis for seminar) to the students in the beginning of the semester. The same list will be uploaded on GTU website during the first two weeks of the start of the semester. Every student or a group of students shall critically study 2 papers, integrate the details and make presentation in the last two weeks of the semester. The GTU marks entry portal will allow entry of marks only after uploading of the best 3 presentations. A unique id number will be generated only after uploading the presentations. Thereafter the entry of marks will be allowed. The best 3 presentations of each college will be uploaded on GTU website