

Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
3.	22AR733	Sustainable Urban Habitats	3	0	0	3

**Course Objective** Introduce urban housing problems, their causes and discover solutions thereof.

**Anticipated Learning Outcomes:** Ability to comprehend housing as a key component of urban habitat, closely linked to urban infrastructure and urban economy, to connect emerging concepts in environmental studies with human needs towards more sustainable paradigms for mass housing.

**Module 1** Shelter, housing form, Census of India definitions.  
Housing policies, demand and supply, housing shortage, income and affordability, poverty and slums.  
Green housing, green rating.

**Module 2** Social and Economic Dimensions- social security, role of housing in family and community well-being, status and prestige, safety, crime and insecurity, deprivation and social vulnerability, ghetto-ism, gender issues, housing and the elderly.

**Module 3** Neighbourhood as a major constituent of the City Plan.  
Traditional and modern approaches to neighbourhood planning, planning and design standards for area distribution, density, development controls and building byelaws.  
UDPFI guidelines, NBC provisions.

**Module 4** Sustainable Infrastructure for neighbourhoods, Transit-oriented development, Mass Solar Energy generation, Smart Energy and water conservation, Recycling of Waste.  
Net-Zero communities.

**Module 5** The teacher may teach any appropriate material which she/he may find important.

**Note: Most Architectural subjects do not have Textbooks. The Reference books mentioned below are for reference only and University question paper should be prepared from the Syllabus descriptions.**

### **References**

1. Charles Abrams. *Man's struggle for shelters in an urbanizing world*, Vikas Fetter and Simons Pvt. Ltd, Mumbai
2. Babur Mumtaz and Patweikly. *Urban housing strategies*, Pitman publishing, London
3. Geoffrev K. Paul, *Low-income housing in the developing world*, John Wiley and sons.
4. John F.C Turner, *Housing by people*, Marison Boveros, London, 1976
5. Martin Evans, *Housing, Climate and comfort*.
6. Lewis Davidson Gottlieb, *Environment and design in housing*. The McMillan Corp, New York.
7. *Housing and building in hot-humid and hot dry climate/ 721.06 Brab/H*
8. *Low-cost housing in developing countries/ Mathur, GC/363. 509/72Mat/LN93.*