

**SARDAR PATEL UNIVERSITY**  
**Programme: B.Sc (Home Science)**  
**Semester: IV**  
**(Family Resource Management)**  
**Syllabus with effect from: November/December-2012**

**Theory**

**Objectives:**

- To gain knowledge of planning principle for designing residential spaces
- To acquaint them with factors affecting choice of housing
- To create awareness about the safety in housing
- To develop ability of learning various plans and making plans for a residence.

<b>Paper Code:UH04CFRM03</b>	<b>Total Credit: .3</b>
<b>Title Of Paper: Residential Space Design</b>	

Unit	Description in detail	Weighting (%)
I	Importance of space in residential buildings Functions of house – protective, economic, emotional, social, recreational, productive, personal space freedom Classification of residential buildings <ul style="list-style-type: none"> <li>➤ Hut</li> <li>➤ Bungalow</li> <li>➤ Twin bungalow</li> <li>➤ Row houses</li> <li>➤ Flats and apartments</li> <li>➤ Duplex</li> <li>➤ Penthouse</li> </ul> Factors influencing selection of housing <ul style="list-style-type: none"> <li>➤ Family needs</li> <li>➤ Income</li> <li>➤ Space requirement for various activities</li> <li>➤ Family values</li> <li>➤ Availability of housing</li> </ul>	20%
II	<b>Housing Decisions</b> Renting and owning a house Buying a new house Buying existing house Building a house	10%
III	<b>House Planning</b> Selection of site Building byelaws Types of plans	20%
IV	<b>Basic principles of space planning</b> Aspect Prospect Privacy Grouping	20%



	Roominess Furniture requirements Sanitation Flexibility Circulation	
V	Safety in housing <b>Earthquake resistant houses</b> Features affecting building during earthquakes: size, shape and adjacency of buildings. Safety considerations: building layout, structural and nonstructural features. <b>Fire safety</b> Prevention and limitations of fire. Structural safety measures. Emergency exit facilities. <b>Accidents in home</b> Guidelines for safety against accidents in home.	20%
VI	<b>Housing finance schemes</b> Government Semi government Private	10%

### Basic Text & Reference Books

- Arora and Bindra (1990), “ A Text book of Building Construction,” Dhanpat Rai and Sons, New Delhi-110006.
- Ruth F> Sherwood (1976), “Homes Today and Tomorrow,” Chas. A. Bennet Co., Peoria, Illinois 61414
- Gandotra and Patel (2006), “Housing for family living,” Dominant Publishers and Distributors, New Delhi-11002
- Deshpande R.S.(1976), “Modern Ideal Homes For India,” United Book Corporation, Poona.
- Craig and Rush, (1969), “Homes With Character,” Universal Book Stall, Delhi.
- Rutt Anna Hong, “Home Furnishing,” John Wiley and sons Inc.

