

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Architectural Assistantship

Semester: 3

Subject Code

Subject Name ARCHITECTURAL DESIGN- II

Sr. No.	Course content
1.	FORM & SPACE : Explain the relationship between form and space. Also explain the impact of the building form on the space around it.
2.	QUALITIES OF ARCHITECTURAL SPACE : Describe the quality of space which depends on the type of enclosure e.g. dimension decides proportion and scale whereas space gives form.
3.	OPENINGS : Explain the openings and their types as well as their effect on space, e.g. doors offer entry and determine pattern of movement, windows allow light to penetrate the space and how they are useful in being 'EYES OF A BUILDING', etc.
4.	SPATIAL RELATIONSHIP : 4.1 Draw and explain how a large space can contain a smaller space within its volume and how it gives visual and spatial continuity. 4.2 Also draw and explain interlocking spaces. 4.3 Spaces linked by common space 4.4 Explain spatial organization e.g. a Central dominant space around which a number of secondary spaces are grouped. 4.5 A linear sequence of repetitive spaces. 4.6 Radial - A central space from which linear organization of spaces extend in a radial manner. 4.7 Clustered - Spaces grouped in a way that they have a common visual relationship. 4.8 Grid -- Spaces organized within a structural grid.
5.	STRUCTURAL SYSTEM : Explain the structural system in relation to the design - term-work project and limitations & importance of structure in form. Also understand the overall cost factor involved.

TERM WORK :

1. Term work shall consist of design of a Luxurious bungalow with specific requirements. Preparation of all presentation drawings (Plans, Elevations, Sections, etc.), Municipal Drawing. The student shall make following drawings:

- 1) Necessary plans 2) Necessary elevations
- 3) Necessary sections 4) Necessary sketch/views
- 5) Site layout 6) Municipal drawing
2. There shall be a time problem of one week pertaining designing a character house for artist, scientist, sports person, doctor, lawyer, architect, etc. (Any one)

Reference Books:

1. Introduction to Architecture -James Synder & Anthon (MGH)
2. Form , Space And Order -Frances D.K.Ching (MGH)
3. Balkrishna Doshi - William Curtis
4. Charles Correa - Hassan – Udin - Khan
5. IS-4326-1993 Section 4.4 –Building Configuration
6. Seismic Design-Christopher Arnold
7. Magazines and periodicals of Architecture, Interior Design & Const. Technology