

AMID-07 SPACE PLANNING

Course overview:

Space Planning provides a specific design methodology for understanding the nature of spaces, scales and space within a space along with elements and organization.

Objectives of the course:

To impart an understanding of perception of interior space through architectural elements.

Expected skills/ knowledge Transferred:

The course prepares a base for the students to gain an understanding into the fundamental issues in designing spaces and develops the skill to create floor plans considering all the factors affecting spatial composition.

Course Contents:

Unit –I: Basic anthropometrics – average measurements of human body in different postures – its proportion and graphic representation, application in the design of simple household and furniture. Role of mannequins in defining spatial parameter of design. Basic human functions and their implications for spatial planning. Minimum and optimum areas for various functions. Preparing user profile, bubble and circulation diagrams.

Unit –II

Introduction to design methodology. Detailed study of spaces such as living, dining, bedrooms, kitchen, toilet etc. including the furniture layout, circulation, clearances, lighting and ventilation, etc. Case study of existing house and analysis of the spaces.

Unit – III

Visual analysis of designed spaces noted for comfort and spatial quality; analysis of solid and void relations, positive and negative spaces. Integration of spaces and function in the design of bus shelter, milk booth, watchman’s cabin, traffic police kiosk, flower stall, ATM center, etc.

Note: In the end exam, which is a viva-voce, the students have to present the entire semester’s work for assessment.

• Reference books :

- Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
- Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
- Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
- Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Guptill, 1979.
- Karlen Mark, Kate Ruggeri & Peter Hahn, Space Planning Basics, Wiley publishers, 2003.

