

Course Code: IP-231-Space Planning

Lecture No 2: Planning Methodology for a space planning

Learning Objectives and Methods of the assignment:

This methodology provides for a responsive design process, which allows a designer to easily make decisions whose consequences immediately propagate throughout the design. It combines the speed of automated design methods with the flexibility of manual design methods, while adding a highly interactive quality and a sense of collaboration with the design itself. In our approach, the designer creates a space plan by specifying and modifying graphic design objectives rather than by directly manipulating primitive geometry. Space planning can be separated into two problems, determining topological properties and determining geometric properties. Design objectives can then be categorized as topological or geometric objectives. Topological objectives influence the location of individual spaces, affecting how one space relates to another. Geometric objectives influence the size and shape of space boundaries, affecting the dimensions of individual walls.

Method:

Book Ref: SPACE PLANNING BASICS

Third Edition by **Mark Karlen**

Video Link for demonstration.

- 1) <https://www.youtube.com/watch?v=dddM4I7uAqo>
- 2) <https://www.youtube.com/watch?v=YSwt1sXJknE>