

SYLLABUS :-

Introduction: Nature, Significance and Scope of Facility layout and design.

Facility Location: Location analysis, Single-facility and Multi-facility location problems, Location allocation problems. Facility Layout: Significance, Objectives, Steps in layout planning, Quantitative techniques. Material Handling: Definition, Principles of Material Handling, Material Handling System Design, Equipment Selection . Storage and Warehousing: Functions, Objectives and Principles. Facility Services. Design of Assembly and Production Lines.

Books

- Facility Layout and Location, Francis, White, and McGinnis, Prentice Hall.
- Facilities Planning, Tompkins, White, Bozer, and Tanchoco, Wiley.
- Plant Layout and Materials Handling, Apple, John Wiley
- Plant Layout and Design, Moore, Macmillan
- Systemic Layout Planning, Muther, Industrial Educational Institute, Boston.