

HEALTH CARE FACILITY (Elective – I)

Objectives: Exposing the students the parameters of hospital design with relation to types of spaces, services, finishes and standards.

Module 1

Introduction to hospital planning, types of hospitals, guiding principles in planning and designing efficient hospitals; aesthetic and emotional need of patients, space norms and requirements of hospital, interdepartmental relationship.

Module 2

Main public entrance and lobby area; reception and information lounge, waiting area, circulation, other facilities.

Planning and designing of Out Patient Departments; multi-pod and concourse clinics. Planning of Emergency Departments; Design of Surgical Suites, flow charts, surgical suites for small/medium hospitals. Design of labour-delivery suites.

Module 3

Nursing units, specially nursing units, ICUs, new born nurseries.

Design of supportive services; CSSD, food and services department, hospital laundry, equipment planning and control.

Module 4

Mechanical standards, HVAC system, hospital acoustics, sanitary and plumbing systems, electrical standards, medical gas systems.

Bio-medical waste handling and management; incinerator, Bio-medical waste management. General standards for hospital details and finishes.

References:

1. Designing for total quality in health care: G. D. Kunders, Prism Books Pvt. Ltd.
2. A DESIGN DETAILS FOR HEALTH: Making the most of interior design healing potential-C: Leibrock.
3. HOSPITAL PLANNING AND MANAGEMENT – Kunder
4. MEDICAL FACILITIES: New concepts in Architecture & Design.