

COURSE TITLE : **ARCHITECTURAL DRAWING -II**
COURSE CODE : **3032**
COURSE CODE : **B**
PERIODS PER WEEK : **6**
PERIODS PER SEMESTER : **108**
CREDITS : **4**

TIME SCHEDULE

MODULE	TOPIC	PERIODS
I	Rendering Techniques	20
II	Preparation of 3D views	20
III	Design Methodology	20
IV	Design of small building modules	48
	TOTAL	108

OBJECTIVES

- 1.1 Understanding the basic techniques for design presentation
- 2.1 Understanding the basic techniques for the preparation of three dimensional drawings
- 3.1 Understanding Design Methodology
- 4.1 Understanding the process of designing small building modules

COURSE CONTENT

MODULE – I

Rendering Techniques

Understanding the significance of rendering techniques required for a plan, section and elevation in the context of presentation.

Rendering using different grades of pencil and pens.

Colour rendering with colour pencils, crayons water colour etc.

Represent different elements like vegetation, paths, water, furniture, vehicles, human figures etc in plan and elevation.

Render the different surfaces of a building like wall, roof, floor, openings etc in plan and elevation; in black and white and colour.

MODULE – II

Preparation of Isometric and Axonometric and perspective views of simple structures – single storied building units.

MODULE – III

Introduction to Design Methodology

Collection of data from standards - Anthropometric data - Space standards - Functional organisation

Case studies of existing buildings

Presentation of collected data
Data analysis and preparation of design brief.
Site study and analysis
Development of concept and Sketch scheme.
Development of final design.

Design of Simple one-room spaces
Milk booth/ Bus shelter / Watch man's cabin / Police aid post / Book stall / Public toilet / Tourist Information Centre
Preparation of presentation drawings- Plans showing furniture layout – Elevations - Sections - Axonometric / Isometric views.

MODULE – IV

Design of small building modules with not more than 5 functional spaces
Weekend cottages / Dispensary / Cafeteria / Crèche / Automobile Service Station
Deriving a concept and preparation of a sketch scheme based on Studies and design brief.
Preparation of presentation drawings - Plans showing furniture layout – Elevations - Sections - Perspective views

REFERENCE BOOKS

1. Robert. W. Gill - Creative perspective - Published by Thames & Hudson Ltd., London
2. Robert. W. Gill - Rendering with pen and ink - Published by Thames & Hudson Ltd., London
3. Neufert Architects Data – The handbook of building types - Published by Collins. Professional and technical books William Collins Sons & Co. Ltd., London
4. Time savers standards – for building types - By Joseph De Chiara & John Callender