

COURSE TITLE : WORKING DRAWING -III
COURSE CODE : 4016
COURSE CATEGORY : A
PERIODS/WEEK : 4
PERIODS/SEMESTER : 72
CREDITS : 3

TIME SCHEDULE

MODULE	TOPIC	PERIODS
I	Floor Plans	24
II	Electrification	24
III	Structural Reinforcement Drawings	24
	TOTAL	72

OBJECTIVES

Upon the completion of the course the students should be able to understand and prepare

- 1.0 Detailed Floor Plans and Sections with architectural details.
- 2.0 Electrification Working drawings
 - 2.1 Learn the important symbols used in electrical diagrams
 - 2.2 Draw the electrical fitting layout for a small house
- 3.0 Structural reinforcement drawings of simple structures

CONTENT OUTLINE

MODULE-I

Preparation of plans & sections showing architectural details like

- Aluminium cladding
- glass fixing details
 - for exterior cladding
 - for interior uses
- false ceiling details using
 - gypsum board & aluminium sections
 - E- board

MODULE-II

Learn all-important, symbols used in electrical drawings. Understanding various fittings used for different rooms. Learn to draw them accordingly in building plan and draw the switches in connection with the light fittings

MODULE-III

Preparation of structural reinforcement drawings of singly/ doubly reinforced beams, column, one way slab & two way slab for simple structures.

REFERENCE BOOKS

1. Building construction – S.P. Bindra & Arora
2. Building construction – Sushil Kumar

3. A text book of building construction – Mc Kay