

Detailed Teaching Plan

Lecture No.	Unit No	Topics to be covered	Planned Date	Execution Date	Remark
<u>UNIT-1 Introduction to building drawing</u>					
1		1.1.1 Size of Drawing, Layout of drawing, Title block, Scale, Dimensioning	3/9/24	7/18/09/24	
2		1.1.2 Symbols for Doors & Windows, Drains and Pipes, Sanitary and Plumbing, Electrical Fittings as per IS 962	6/9/24	14/9/24	
3		1.2 Building Bye-laws	10/9/24	14/9/24	
4		1.2.1 Building byelaws for residential building	13/9/24	14/9/24	
5		1.2.2 Building Byelaws for Commercial Building	14/9/24	18/9/24	
<u>1.2.3 Plot area, built up area, plinth area, carpet area and Floor Area Ratio (FAR).</u>					
6		1.3 Principles of Planning	17/9/24	20/9/24	
7		1.3.1 General principles of architecture : Function, Economy, Safety, Aesthetics, Economy	20/9/24	21/9/24	
8, 9		1.3.2 Basic elements of planning residential building: living area, sleeping area, service area, other areas.	21/9/24	23/9/24	
10		Principles of planning of residential building:	27/9/24	28/9/24	
11		Orientation, Privacy, Grouping, Circulation, Sanitation, Flexibility, Elegance, Landscaping	28/9/24	24/9/24	
12		1.3.3 Dimensions for different types of rooms, height, Size of doors and windows	28/9/24	24/9/24	
<u>Unit 2. Computer Aided Drawing (CAD)</u>					
1, 2, 3		2.1 AutoCAD Features Graphical input devices Drawing primitives, Text and editing (move, copy rotate, mirror) Scale, filters and round, Grouping of entities, Layers, Grid, Snap Ortho, PEDIT, display and zoom, pan, fill redraw, region, QText, offset, Annotate, Sectioning, hatching styles, Block and its creation, Extrude, Subtract and union, Shading	1/10/24	25/9/24	
4, 5, 6			5/10/24	26/9/24	
7, 8, 9		2.2 Application of AutoCAD Enquiry commands, plotting of drawing, Uses of plotters, changing plot specification, Application of Civil Engineering	11/10/24	30/9/24	

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10, 11, 12, 13	2.3 Editing and Changing Properties of Objects Filtering, Selecting, Accessing, Understand the property list, Changing property list.	15/10/24 18/10/24 19/10/24	24 24 24	30/9/24 04/10/24	
<u>Unit3. Layout plan, detailed plans of residential buildings/campus</u>					
1, 2	3.1.1 plan, Types of plan Site plan, location plan, Line foundation plan, layout plan	22/11/24	04	10/24	
3, 4	3.1.2 Line plan of residential building.	25/11/24	07	10/24	
5	3.1.3 Development of plan from line plan of residential building.	26/11/24	09	10/24	
6	3.1.4 Area statement and other details.	29/11/24	16	10/24	
7	3.1.5 Submission drawing	30/11/24	23	10/24	
8	3.1.6 Working drawing	03/12/24	23	10/24	
9	3.2 Section and other Elevation detailed drawings	06/12/24	24	10/24	
10	3.2.1 Elevation of building.	11/12/24	25	10/24	
11	3.2.2 Sectional elevation of building.	10/12/24	25	10/24	
12, 13	3.2.3 Steel truss, lean to roofs.	13/12/24	03	11/24	
<u>Unit4. Doors, Windows and Staircase</u>					
1	4.1 Doors and Windows	14/12/24	18	11/24	
2, 3	4.1.1 Types of doors windows according to material.	17/12/24	19	11/24	
4	4.1.2 Detailed drawing and of panel doors and windows.		20	12/24	
5	4.1.3 Detailed drawing of metal framed windows.		20	11/24	
6	4.1.4 Detailed drawing of aluminium framed windows		21	11/24	
7, 8	4.1.5 Detailed drawing of building elements		22	11/24	
9	4.2 Staircase		23	11/24	
10	4.2.1 Types of staircase.		25	11/24	
11	4.2.2 Detailed drawing of straight staircase.		26	11/24	
12	4.2.3 Detailed drawing of dog-legged staircase.		27	11/24	
13	4.2.4 Detailed drawing of open newel staircase.				
<u>Unit5. Perspective Drawing</u>					
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1,2		5.1 Isometric projection-drawing an isometric view	03/12/25	21/2/24	
3,4		5.2 Perspective drawing		3/12/24	
5		5.2.1 Terms used in perspective drawings:		4/12/24	
6,7,8		Station point, picture plane, axis of vision, vertical plane, horizontal plane, ground plane, eye level, line of vision, centre of Vision vanishing points	01/01/25	7/12/24	
9,10		5.2.2 One point, two point and three point perspective		10/12/24	
11		5.2.3 Perspective drawing of single room	2	11/12/24	
		5.2.3 Perspective drawing of single room		12/12/24	
		5.2.3 Perspective drawing of single room		13/12/24	
12,13		5.2.4 Perspective drawing of two roomed building.	02/01/25	23/12/24	
				24/12/24	

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