

LESSON PLAN

NAME OF THE FACULTY : SH. NEERAJ, SMT. EESHA MEHTA

DISCIPLINE : ARCHITECTURAL ASSISTANTSHIP

SEMESTER : 5th

SUBJECT : **COMPUTER APPLICATIONS IN ARCHITECTURE - II**

LESSON PLAN DURATION : 15 WEEKS

WORK LOAD PER WEE : 06

WEEK	LECTURE DAY	THEORY
		TOPIC
1 ST	1.	The design problem done in 4 th semester as main project shall be taken up for preparing a complete set of drawings. These include all plans showing all interior layouts, joinery schedule, tree plantations, parking layout etc.
2 ND	2.	The design problem done in 4 th semester as main project shall be taken up for preparing a elevations (minimum 2) and sections (2 minimum)
3 RD	3.	Fundamentals of 3-D Drafting , Basic Features such as box, wedge, cylinder, torus etc.
4 TH	4.	Coordinate system, 3-D entities and surfaces such as boundary, resign (Converting simple geometric shapes into 3-D Objects)
5 TH	5.	IST SESSIONAL TEST
6 TH	6.	Making an existing 2-D plan drawing compatible to 3-D drafting (Commands and modifications to 2-D drawings, B. Poly, rectangle, elevation, extrude – requirements and applications)
7 TH	7.	3-D of exterior of blocks – preparation, modification of 2-D drawing 3-D of interiors of block – preparation, modification of 2-D drawings
8 TH	8.	3-D Modeling such as extrude, press pull, spline, subtract, unian etc.
9 TH	9.	Visual style like 2D Wire frame, 3D Wire frame, surface 3D hidden wire frame etc.

10 TH	10.	2ND SESSIONAL TEST
11 TH	11.	3-D solid modeling and Viewing 3-D models like front view, top view, side view and isometric views.
12 TH	12.	Rendering, shading , hide commands, lights and Camera, Material representation, Importing, exporting library and printing 3-D
13 TH	13.	Demonstration of 3D max, Corel Draw, Adobe Photoshop as rendering tool for 3D blocks/ walk through etc.
14 TH	14.	Converting simple geometrical shapes into 3-D objects 2. Students will take their second year design proposals and convert them in 3-dimensional presentation models