

Discipline	Architectural Assistantship			
Semester	4th			
Subject	Computer Applications in Architecture-I			
Lecture per	4			
** Work Load (Lecture) per week (In Hours) :Practicals -04				
Week	Theory		Practical	
	Lecture Day	Topic (including assignment / test)	Practical Day	Topic
1st	UNIT-1 Introduction AutoCad			
	1st	Introduction AutoCad,Input devices, Graphics, Statrting Autocad, Inside the		
	2nd	Commands in the menus, Accessing Commands, Entity Selection, Entering Coordinates, Folders for organizing drawings and files	Practical of Commands in the menus, Accessing Commands, Entity Selection, Entering Coordinates, Folders for organizing drawings and files	
	UNIT-2 CREATING&SAVING A NEW DRAWING			
	3rd	Commands and options to create new drawings, Units,Limits,Snap,Grid,Ortho	options to create new drawings, Units,Limits,Snap,Grid,Ortho	
	4th	Layer,Application of layers,Open a new, existing drawing,Save, save as , quit, close, exit,Customization of tool bars	of layers,Open a new, existing drawing,Save, save as , quit, close, exit,Customization of tool bars	
2nd	UNIT-3 Drawing Commands			
	5th	Line,Poly line / Double line	Exercise of making composition of different geometrical shapes	
	6th	Arc,Ellipse,Polygon,Rectangle		
	7th			
	8th			SP line,Circle,Sketch
3rd	9th	Hatch,Donuts		
	10th	Viewing,Zooming of existing drawing mode		
	UNIT-4 Viewing an Existing Drawing			
	11th	Zoom,Pan,Redraw and Regan all	Exercise on commands discussed in lecture	
	12th	Regan Auto, View		
4th	13th	Sessional Week-1		
	14th			
	15th			
	16th			
5th	17th	Viewing,Zooming of existing drawing mode		
	UNIT-5 Modifying an Existing Drawing			
	18th	Undo,Trim,Move,Offset,Rotate	Exercise:- Modifying composition made in secgion 3, Making Plan, Elevation and section	
	19th	Array,Stretch,Divide		
	20th			
6th	21st	Champher,Erase		
	22nd			

6th	23rd	Break,Copy, multiple copy			
	24th				
7th	25th	Mirror(Mirror test)			
	26th	Change, Extend			
	27th	Explode, Blip mode			
	28th	Scale, Fillet			
8th	UNIT 6-Making and inserting Blocks				
	29th	Creating Blocks,Insert Blocks		Exercise on commands discussed in lecture	
	30th	Base,Using library for blocks,W-block			
	31st	X-ref,			
	32nd	Explode,			
9th	33rd	Sessional Week-2			
	34th				
	35th				
	36th				
10th	37th	Inserting furniture,fixtures Landscape item from library in the plan	Inserting furniture,fixtures Landscape item from library in the plan		
	38th				
	39th				
	40th				
11th	UNIT 7- Dimensioning and Text				
	41st	Dimension type, style, units, Dimension Utilities,Dimension variables	Exercise on commands discussed in lecture		
	42nd	Dimensions of different elements like (horizontal, vertical, inclined).			
	43rd	Editing dimension text and updating(adding new text and editing existing text)			
	44th	Text style- font types, height, width factor etc. As per plotting paper size.			
12th	UNIT 8- Plotting Drawings				
	45th	Plot command, Selecting area for plotting,Scale of Plot, Scale to fit	Exercise on commands discussed in lecture		
	46th	Selecting plotting device, Selecting paper size and type			
	47th	Selecting black and white or colored plots, Selecting appropriate print speed, quality			
	48th	Print Preview, Working in paper space and			
13th	49th	Sessional Week-3			
	50th				
	51st				
	52nd				
14th	53rd	Practice of full syllabus			
	54th	Practice of full syllabus			
	55th	Practice of full syllabus			
	56th	Practice of full syllabus			
15th	57th	Practice of full syllabus			
	58th	Practice of full syllabus			
	59th	Practice of full syllabus			
	60th	Practice of full syllabus			