151222126 - Engineering Graphics

Lecture 6 AUTOCAD

Command entity : block

- Command entry : *block*
- Draw Toolbars : +



- Draw menu \rightarrow Block \rightarrow Make
- Creates a block definition from selected objects.

Command entity : wblock

- Command entry : *wblock*
- Saves objects or converts a block to a file.

Command entity : wblock

Au Write Block				
Source Block: Entire drawing Objects				
Base point Image: Pick point \underline{X} : 0 \underline{Y} : 0 \underline{Y} : 0 \underline{Z} : 0	Objects Image: Select objects Image: Select objects Image: Select object objects Image: Select object			
Destination File name and path: Insert units: Millimeters OK Cancel Help				

Command entity : insert

- Command entry : *insert*
- Draw Toolbars :



- Draw menu \rightarrow Block \rightarrow Insert
- Inserts a block or drawing into the current drawing.

Command entity : hatch

• Command entry : *hatch*



- Modify menu \rightarrow Object \rightarrow Hatch
- Modifies an existing hatch or fill.

Command entity : hatch

Hatch and Gradien	t	
latch Gradient		Boundaries
		Add: Pick points
Type and pattern	Deside finand and	
Туре:		Add: Select objects
<u>P</u> attem:	ANGLE	
Swatch:		Remove boundaries
Custom pattern:		Recreate boundary
custo <u>m</u> pattern.		
Angle and scale		Q ⊻iew Selections
Angle:	<u>S</u> cale:	0.5
0 -	1 •	Uptions
Double	Relative to paper space	
	[Associative
Spa <u>c</u> ing:		Create separate <u>n</u> atches
IS <u>O</u> pen width:	· · · · · ·	Draw order:
Hatch origin		Send behind boundary
Use current original	in	
Specified origin		
SE Click to	eet new origin	
Bottom		
Store as de	rjauit ongin	
Preview	ОК	Cancel Help

Command entity : gradient

- Command entry : *gradient*
- Draw Toolbars :



- Draw menu \rightarrow Gradient
- Fills an enclosed area or selected objects with a gradient fill.

Command entity : table

- Command entry : *table*
- Draw Toolbars :



- Draw menu \rightarrow Table
- Creates an empty table object.

Command entity : table

🎦 Insert Table				—
Table style Standard Image: Constraint of the style styl		Insertion behavior		
Insert options Insert options Image: Start from empty table Image: Start from a data link Image: No data links found		Column & row settings <u>C</u> olumns: 5	Column wi <u>d</u> th: 2.5000	
From object data in <u>Preview</u>	n the drawing (Data I	Ē <u>x</u> traction)	Data rows:	Row height:
Title		Set cell styles		
Header	Header	Header	First row cell style:	Title 🔻
Data	Data	Data	Second row cell style:	Header 🔻
Data	Data	Data	All other row cell styles:	Data 👻
Data	Data	Data		
Data	Data	Data		
Data	Data	Data		
Data	Data	Data		
Data	Data	Data		
Data	Data	Data		
1				
(i) Learn about Tables	L		ОК	Cancel <u>H</u> elp

Command entity : ddim

- Command entry : *ddim*
- Format menu \rightarrow Dimension Style
- Creates and modifies dimension styles.

Command entity : dimstyle

An Dimension Style Manager		
Current dimension style: ISO-25 <u>Styles:</u> Standard	Preview of: ISO-25	Set C <u>u</u> rrent <u>N</u> ew <u>M</u> odify <u>Q</u> verride <u>C</u> ompare
List: All styles ▼ ✓ Don't list styles in Xrefs	Description ISO-25	
	Close	<u>H</u> elp

Command entity : dimlinear

- Command entry : *dimlinear*
- Dimension menu \rightarrow Linear
- Toolbars :
- Creates a linear dimension.

Command entity : dimaligned

- Command entry : *dimaligned*
- Dimension menu \rightarrow Aligned



• Creates an aligned linear dimension.

Command entity : dimarc

- Command entry : *dimarc*
- Dimension menu \rightarrow Arc Length
- Creates an arc length dimension.

Command entity : dimdiameter

- Command entry : *dimdiameter*
- Dimension menu \rightarrow Diameter
- Toolbars : 🔊
- Creates a diameter dimension for a circle or an arc.

Command entity : dimradius

- Command entry : *dimradius*
- Dimension menu \rightarrow Radius
- Toolbars : 🕥
- Creates a radius dimension for a circle or an arc.

Command entity : dimangular

- Command entry : *dimangular*
- Dimension menu \rightarrow Angular
- Toolbars : 🔼
- Creates an angular dimension.

Command entity : qdim

- Command entry : *qdim*
- Dimension menu \rightarrow Quick Dimension
- Quickly creates a series of dimensions from selected objects.

