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4.500 Introduction to Design Computing
Fall 2008

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Recitation #1

BASICS

Professor Larry Sass

STELLAR Process

- Turning in assignments
 - Opening Word Program
 - Insert Pictures
 - Lines and Color
- Creating a PDF in Word
- Submitting a File (Upload to Stellar)

AutoCAD

- **OPEN AND SAVING A DRAWING**
 - o Units >> units – set to architectural
 - o End snaps >> F3 (snaps on) F8 (ortho – makes straight lines)
 - o Start drawing at 0,0
- **CREATING DRAWING**
 - o Working with layers
 - Never use layer 0
 - Label layers in four character sets for example (PLAN-DOOR-EXTE)
 - o Lines (Plines)
 - Only work with polylines >> pl
 - Every line command has a subset of commands.
 - o Popular Commands

▪ Scale:	"sc"
▪ Poly Line:	"pl"
▪ Erase	"e"
▪ Mirror	"mi"
▪ Stretch	"s >> c (for area)"
▪ Rotate	"ro"
▪ Trim	"tr"
▪ Offset	"o"
▪ Model Space	"ms"
▪ Paper Space	"ps"
- **FORMATING**
 - o Paper Space
 - Title Block
 - Printing
 - o Model Space - Drawing
- **PRINTING WITH VARIING LINE WEIGHTS**
 - o Working with Line Weights
 - Best to use three or four line weights

- o Line weights in the printer dialogue box only
 - Select a printer
 - Select acad.ctb
 - Edit line weights based on color

Zoom Scale Commands

1" = 1/4" 1/48xp

1" = 1/8" 1/96xp1)

1" = 1/16" 1/192xp

Coloring a Drawing in Photoshop

Drawings can be colored in autocad using hatching tools, however it a bit difficult to teach in a week. Photoshop is better for adding color to a drawing, by printing a file as a pdf drawing. Open the pdf in autocad (set the dpi to 300), after open flatten the drawing

Printing

You should draw a few shapes, change the line weights and print, this assures that the objects will print correctly before creating the entire document.

If you are printing on a laser printer, make sure all the lines are colored in white. Other colors will print in shades of gray and will be hard to see.

Refer to Francis Ching & Architecture Graphic Standards if you have questions about which lineweight to use. Both books can be found in the Rotch library.