Course Number and Title: ARCH 150 / Intro to CADD I / 4.0 Credits
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PROJECT 1: Representation - Introduction to Drafting in AutoCAD 2010
In class we discussed basic drawing tools and techniques for AutoCAD 2010. In the first assignment for the course, you are expected to begin using the tools discussed – and explore other tools as needed within AutoCAD – to complete the following:

Assignment 1:

1. Check the course website for tutorials presented in class and download **SampleProject1.dwg**.

2. Survey in plan the northwest studio cubicles, sink area and portion of studio as indicated on the drawing handed out in class. Complete this survey on the plan provided or in your sketchbook.

3. Draft the plan survey in AutoCAD 2010, utilizing the tools and techniques discussed in class. Be certain to draft objects at their appropriate dimensions and relative position in 2D space.

4. Tools and techniques to use in your drafted drawing:
Line	**M**ove	Selecting Objects
Rectangle	**Z**oom	Command Line
Circle	**E**rase	F8 - Ortho On and Off
Copy	**U**ndo	F10 – Polar On and Off
Distance	**Tr**im	F3 - Snaps
Layers and line colors	**F**illet	**Osnap** – Object Snap
Mirror	**Offset**	**Ctrl+S** – Save File

5. Recall that line weights associated with drawing layers as discussed in class must be utilized according to the following color-coded system (no exceptions):
Cyan (primary, cut through lines)	**Red** (secondary - light)
Green (profiles)	**Blue** (tertiary, surface texture)
Yellow (secondary - dark)	**Gray** (construction, guide lines)

6. Install a PDF generator (Adobe PDF, WinPDF or other) on your computer. There are many free options available on the internet – ask your classmates what they use.

Assignment Objectives:
Explore basic digital drafting tools in AutoCAD; develop a relationship between hand drafting conventions and their implementation in a digital workspace.

Submission of Work:
- **Assignment due at 12:00 noon, Tues 4/6/10 (Section 1) or Thurs 4/8/10 (Section 2)**
- Work must be submitted to AW Storage by this time.
- The file submitted must be entitled **YourName_P1A1_Plan.dwg**

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