

## **Overview of Practical AutoCAD Test**

### **Format:**

- Time limit: 2 hours, 45 minutes
- The test will be an open-book, open notes test.
- Bring a blank, formatted 3 ½ “ disk.
- You will be given a sheet that will specify a drawing to be created according to various specifications. No printing is required, but you may wish to print your drawing for your own reference. You simply turn in your disk at the end of the test. It is also a good idea to bring a second disk and save a backup

### **Major Topics:**

1. Drawing Layout
  - setting limits
  - use a grid only when appropriate
  - use construction lines?
  - centering a drawing within the working area
2. Drawing Skills
  - Drawing lines, circles, arcs, polylines, polygons, text, etc)
  - Drawing aids: OSNAPS, Polar tracking, & Object tracking
3. Editing Skills
  - TRIM, EXTEND, FILLET, etc
4. Title Pages
  - Use of PLINEs
5. BLOCKS
  - Creating BLOCKs and WBLOCKs
  - Inserting BLOCKs and WBLOCKs
6. Coordinates
  - Rectangular and polar
  - Relative and absolute
  - Polar tracking
  - Units (number of digits)
7. LAYERs
  - Creating, colors, linetypes (be able to load)
  - Changing layers after editing if necessary
8. ARRAYs
  - Polar and rectangular
9. DIMENSIONS
  - use proper rules for dimensioning
  - linear, radial, and angular
  - editing dimensions
  - using GRIPS to stretch leaders
  - creating and editing centerlines
  - LTSCALE
  - UNITS (changing number of digits)
  - tolerance
10. Accuracy
  - Using OSNAPS, Polar tracking, Object tracking
  - Use of grids, Zooming, VIEWRES
11. Miscellaneous
  - Anything covered in class or required by assignments

### **Items NOT included on the test:**

No scaled drawings or metric drawings.

No information related to printing or plotting.

No file management information (other than being able to SAVE your drawing to the disk).

No hatching.