

Course Objectives/Course Outline
Spokane Community College

Course Title: Introduction to Computer Aided Drafting

Prefix and Course Number: ARCHT 126

Course Learning Outcomes:

By the end of this course, a student should be able to:

- demonstrate proficiency when using CAD commands
- generate scaled orthographic drawings

Course Outline:

1. Hardware and software basics.
2. Ergonomics, computers in the work environment
3. File management (open, save, backup, template files)
4. Draw commands (line, arc, polyline, rectangle, circle, hatch, rectangle)
5. Screen navigation (zoom, pan)
6. OSNAP and Temporary OSNAPS (including "mid between two points)
7. Modify commands (move, copy, rotate, stretch, scale, offset, mirror, erase, explode, trim, extend, fillet)
8. Layers (create layer, delete layer, set current layer, change an objects layer, change color and linetype of a layer)
9. Object information and inquiry (properties, list, distance)
10. Object selection. (Noun/verb selection, grips, selecting by picking, crossing window, encompassing window, remove objects from selection.
11. Status Bar (Snap, Grid, Ortho, Polar Tracking, Object snap, Dynamic, etc.)
12. Linetypes (ltscale, linetype load)
13. Blocks (Insert, Create block, write block, attributes, dynamic)
14. F2 key
15. Text and leader basics