

## **Architectural Engineering and Design**

### **Applying AutoCAD 2012 Textbook**

- 1. Basic Commands Handout (lines, polygons, text, etc. modify, erase, mirror, copy, etc.)**
- 2. Chapter 7 – Coordinates: Assignments: Gasket 7-9 and 7-16**
- 3. Chapter 9 – Object Snaps: Assignment: Bike 9-2 (add components to your bike)**
- 4. Chapter 10 Ortho: Assignment: Ortho Electrical Plug 10-1**
- 5. Chapter 11 Construction Aides: Assignment: 11-2 orthographic projection**
- 6. Chapter 14 Solid and Curved Objects: Assignments: 14-8 House and 14-13 Car**
- 7. Chapter 15 Adding and Altering Objects: Assignments: 15-5 Gasket Fillet, 15-10 Multi Line Floor Plan**
- 8. Chapter 16 Moving and Duplicating: Assign: 16-3 Mirror, 16-7 Rectangular Array, 16-26 Polar Array**
- 9. Chapter 17 Modifying and Maneuvering: Assignment: 17-12**
- 10. Chapter 18 Hatching: Assignment: 18-8 Brick and Line**
- 11. Chapter 19 Text: Assignments: 19-8**
- 12. Chapter 20 Text Editing: Assignment: 20-4 (Own symbol)**
- 13. Adding Smarts to your Title Block Handout (Put your symbol from above on new smart title block)**
- 14. Layers and Line Types Handout Assignment #1 (Tutorial in note book)**
- 15. Chapter 25 Multiple Viewports: Assignment: 25-4**
- 16. Chapter 26-29 Dimensioning: Assign: 26-9, 27-4, 28-5, 29-3 (tolerancing)**
- 17. Chapter 32-36 Blocks: 32-4 Living Room, 34-4 Symbol Library, Chap 35 (adding attributes 36-1)**
- 18. Chapter 37 Isometrics: Assignment: 37-8**
- 19. Chapter 38 Third Dimensioning: Assignment: 38-1**
- 20. Chapter 39 Point Filtering: Assignment: 39-4**
- 21. Chapter 42 Mesh Modeling: Assignment: 42-10**
- 22. Chapter 43 3-D Revolutions: Assignment: 43-18**
- 23. Golf Tee and Top Handouts in note book.**
- 24. Chapter 45 Boolean Operations: Assignment: 45-1**
- 25. Chapter 46 Tailoring Solid Models: Assignment: 46-1 Table and Bowl**
- 26. Transit Handout in Note book**
- 27. Detailed Wall Section page 738**

**Revit**

**Glass House Tutorial**

**Own House Floor Plan – Pick the floor plan you would like from book.**

**SCC – Architectural Engineering Design Contest**

**Home Builders Contest**