**ECIV 111 Graphics and Visualization**  
**Fall 2007**

**Instructor:** R. P. Ray  
**Grading**  
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**Assignments** 50%  
2 Projects 30%  
Final Project 20%

Tickoo, AUTOCAD 2007 A Problem-Solving Approach

### Part 1 Introduction/Getting Started
1. **Ch. 1**  
   Setting up AutoCAD  
   Network, Web Page, Site sketch
2. **Ch. 2**  
   Drawing Lines, Absolute vs. Relative Coords. Plotting

### Part 2 Basic AutoCAD
3. **Ch. 2,3**  
   Drawing Arcs, Circles, Rectangles  
   Points, Infinite Lines
4. **Ch. 4**  
   Drawing Aids, Linetypes and Weights  
   Properties, Object Snaps, Auto Tracking
5. **Ch. 5**  
   Editing Objects, Selection Sets, Trim, Extend  
   Array, Mirror
6. **Ch. 6**  
   Editing Grips, Design Center, Inquiries  
   Drawings, Formats, Blocks, Attributes  
   Project 1: California Dreaming
7. **Ch. 8,9**  
   Dimensioning  
   Project Due
8. **Ch. 13**  
   Hatching

### Part 3: Advanced AutoCAD
9. **Ch. 14, 16**  
   Blocks and External Refs  
   Team Draw
10. **Ch. 20**  
   Technical Drawing w/AutoCad  
   Project 2: Building Plans
11. **Ch. 23**  
   3-D Modeling  
   Project 2 Due
12. **Ch. 24,25**  
   Solid Modeling and Render
13. **Ch. 27**  
   Additional 3-D and Beyond
14. **Final Projects**
Grading for ECIV 111

Grading consists of weekly assignments, two small projects, and a final project. The weekly assignments are from the text, generally, and emphasize what you learned that week. Weekly assignments are due 3:00 on Friday afternoon of that week. Typically they will be worth 10 points. The best way to approach this is to get ‘er done every week. The worst thing to do is not hand anything in or blow it off completely. A zero will ruin your average and is very difficult to recover from.

The two small projects are an accumulation of what you have learned up to that point. They will have a due date given when the project is assigned.

The final project will be assigned with at least 4 remaining classes, probably more, and will be presented to your classmates during the scheduled final exam time.