CE409a - Computer Aided Design - Fall 2006

COURSE OUTLINE

- Review of two-dimensional AutoCAD commands (2 weeks lecture)
- Basic computer analysis of structures (2 weeks lecture)
- First Project due October 20: Two-level floor plan of a custom home (1 week introductory lab)
- Three-dimensional AutoCAD commands (3 weeks lecture)
- Steel structure design methods (2 weeks lecture)
- Second Project due November 10: Design of a 4-storey steel structure (1 week introductory lab)
- Concrete structure design methods (3 weeks lecture)
- Third Project due December 1: Design of a low-rise concrete structure with large horizontal dimensions, e.g., a parking structure (1 week introductory lab)

Grading Policy:

3 projects (15% each) 30%
5 quizzes (5% each) 20%
Homework 30%
Construction Site Visit 5%
Course Improvement 5%
Attendance 10%