Exam Overview

- Friday, March 1, 2013 in-class
- Midterm covered up to lecture 14 (projection)
- Final covers lecture 15 till today’s class (lecture 25)
- Can bring:
  - One page cheat-sheet, hand-written (not typed)
  - Calculator
- Will test:
  - Theoretical concepts
  - Mathematics
  - Algorithms
  - Programming
  - OpenGL/GLSL knowledge (program structure and commands)
What am I Really Testing?

- Understanding of
  - concepts (NOT only programming)
  - programming (pseudocode/syntax)

- Test that:
  - you can plug in numbers by hand to check your programs
  - you did the projects
  - you understand what you did in projects
General Advise

- **Read your projects** and refresh memory of what you did
- **Read the slides**: worst case – if you understand slides, you’re more than 50% prepared
- Focus on **Mathematical results, concepts, algorithms**
- Plug numbers: calculate by hand
- Try to **predict subtle changes** to algorithm.. What ifs?.. 
- **Past exams**: One sample final is on website
- All lectures have references. Look at refs to focus reading
- Do all readings I asked you to do on your own
Grading Policy

- I try to give as much partial credit as possible
- In time constraints, laying out outline of solution gets you healthy chunk of points
- Try to write something for each question
- Many questions will be easy, exponentially harder to score higher in exam
Topics

- Hierarchical 3D modeling
- Lighting, shading and materials
- Shadows and fog
- Texturing
- Clipping (2D and 3D clipping) and viewport transformation
- Hidden surface removal
- Rasterization (line drawing, polygon filling, antialiasing)