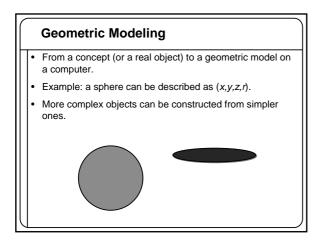
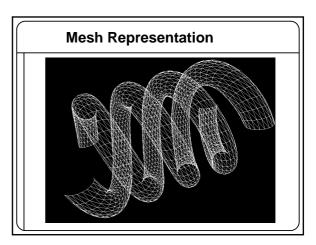


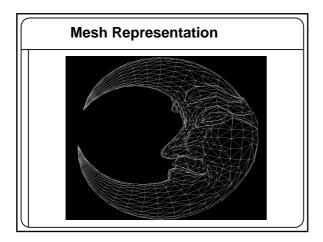
What is Computer Graphics?

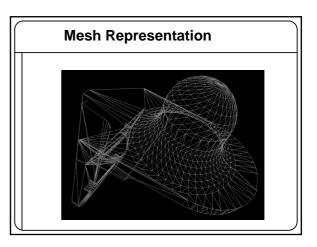
Computer Graphics deals with the tools that one needs in order to:

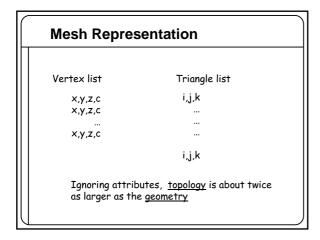
- create mathematical models of 2D and 3D objects (geometric modeling)
- produce images given geometrical models (rendering)
- define/represent time-dependent behavior of objects (*animation*). ("Geometric Modeling" + "Rendering" in 4D.)

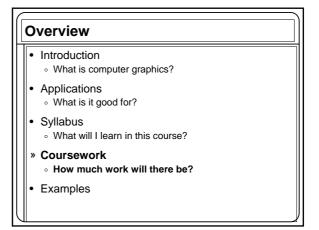












Programming Assignments

There will be four assignments:

- Image space half toning (10%)
- 3D Rendering Ray Casting + Shading (10%)
- Image Space Morphing (10%)
- OpenGL (TBD) (10%)

Survival Guide

- Assignments: 40%
 Must be completed individually or in pairs
- No late policy.
- 2-3 Optional Exercises: 30%
 1 hour in class
- Final exam: 60% (or down to 30%)

Collaboration Policy

• Overview:

- Working in pairs?
- · You must write your own code (no credit for other code)
- You must reference your sources of any ideas/code
- It's OK to ...
 - $\circ~$ Talk with other students about ideas, approaches, etc.
 - Get ideas from information in books, web sites, etc.
 - Get "support" code from example programs
 But, you must reference your sources
- It's NOT OK to ...
- Share code with another student
 - Use ideas or code acquired from another sources

without attribution

Quotes from Student Course Guide

- "Yes, if you haven't heard about it, it's called Death Graphics. You won't believe how much work you do for the course."
- "This class is really a different experience from all other CS courses. If you have the guts, and you have the skills, and of course an interest in graphics, go for it. If you want to find out what a 'challenging' semester means, go for it. Also, count this course as 2 courses when you are planning your schedule for the next semester."