Course Overview

- Non-photorealistic rendering (NPR)
  - What is it?
  - Why do we care about it?
- Syllabus and grading
- How to give a good presentation

Photorealism in Painting

- David 1800

Photorealistic Rendering

- "Final Fantasy" Square Soft 2001
Non-Photorealistic Rendering (NPR)

Why NPR?

- Provide Semantic Information
- Guide Viewer’s Eye
- Add Emotional Content
- Self Expression

Mitchell Hall
Stanford University

“Why NPR?”

- Provide Semantic Information
- Guide Viewer’s Eye
- Add Emotional Content
- Self Expression

“The New Chair”
(Curtis 98)

“The Curse of Monkey Island”
LucasArts
Why NPR?

- Provide Semantic Information
- Guide Viewer’s Eye
- Add Emotional Content
- Self Expression

“Bedroom at Arles”
Van Gogh

Why NPR?

- Commerce
- Education
- Entertainment
  - Games
  - Comic Books
  - Animation

Course Overview

- What is NPR?
  - Syllabus and grading
    - What is a seminar?
    - Syllabus
    - Grading
  - How to give a good presentation

What is a seminar?

- Active, advanced learning experience
- Students much more responsible for class
  - Presentation
  - Discussion
  - Content
- Students make the seminar!

Goals for This Seminar

Learn:

- More about graphics programming
- To read graphics papers
- More graphics concepts
- To clearly present/discuss technical ideas
- Greater appreciation for underlying art techniques

Syllabus

- See list of papers on web page
- Organized mostly by topic
- Study questions posted to aid reading
- Open to suggestions
Grading

Project = 60%
- 1 project during semester
- Groups of up to 3 students
- 10% Proposal (written)
- 5% Progress Reports (x2)
- 40% Final (results/presentation)
- Attendance at final presentations required

Grading

Presentations = 40%
- 3 presentations but lowest grade dropped
- 20% for each presentation in final grade
- 30 minutes for talk, 10 minutes for Q&A
- Grades will be in the following form:
  - "0" - Failing grade
  - "1" - Acceptable but not particularly good presentation. Equivalent to B or B-
  - "2" - Good presentation. Equivalent to A.

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Grading

Presentations = 45%
- Presentations will be graded by both prof and students!
- At end of each talk, students will fill out forms...
  - Answering one or two questions on talk/paper
  - Giving speaker a grade on presentation
  - If listener gives good grade but can't answer questions: contradiction!

Grading

Speakers: Give a good talk! Don't bore your fellow students!
Listeners: Be interested and ask questions!
Grading
- Attendance is mandatory. Students who miss more than 3 lectures will receive failing grades.
- Please read the papers and participate!
- (Otherwise class will be agony for all)

Bottom line: It's up to you to keep class from being boring.

Course Overview
- What is NPR?
- Syllabus and grading

How to give a good presentation

Good Presentations: Major Topics
- What is the objective/contribution of this paper?
- Why is this important/useful?
- By what process does paper actually achieve this objective?
- How does it compare/relate to previous work? How is it better? (or worse?)
- If someone remembers only 1 thing from your talk, what should it be?

Good Presentations: Sample Outline
- Introduction
- Motivations
- Previous Work
- Process Overview
- Results
- Summary and Conclusions

Good Presentations: Important Details
- Don’t run over time limit
- Don’t go over all details, just important or confusing ones
- Practice! Practice! Practice!
- Give a talk that you would want to hear!

Good Presentations:
- Use LOTS of images and animations
  - Famous paintings
  - Cartoons or animated movies
  - Other examples from pop culture
  - Images/videos from actual paper
- Explain important elements of the underlying style (if relevant)
- Explain equations (“intuitively, this means...”)

Good Presentations:
Good Presentations

- It's okay to use original author's presentations if they are available on web (but please be honest and cite)
- See www.cs.berkeley.edu/~efros/research/quilting.html for example of good talk
- Hans Peter Pfister’s guideline on web page
- Powerpoint template on course web page

Good Presentations

- Must be done in either:
  - Powerpoint or equivalent software
  - Nicely formatted HTML
- Sign up for talks in class next Tuesday

Inserting Images

- Most images outlined in White
Inserting Images

- Most images outlined in White
- White images outlined in Black

**Inserting Images**

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Drop shadows are nice

**Inserting Images**

- Most images outlined in White
- White images outlined in Black
- Drop shadows are nice
- Use captions

**Helpful Hints**

- Keep text short!
- Don’t put too much new info on one slide
- For complex ideas:
  - Build up to idea over multiple slides
  - Use images to convey idea!
- Use supplementary materials:
  - Videos
  - Art-historical texts
  - Etc.
Helpful Hints

- Fancy transition animations/sound effects:
  - Both are distracting/annoying if used a lot
  - Can add emphasis if used sparingly
- Practice! Practice! Practice!
  - Speak slowly and clearly
  - Make eye contact
  - Give a test talk to your friends