

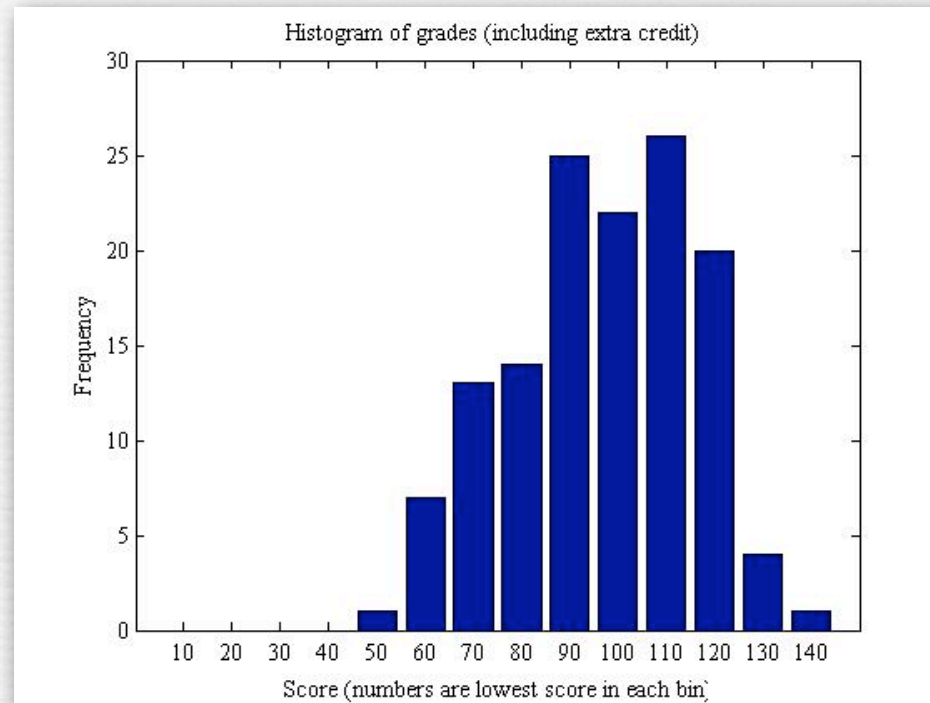
Mid-quarter pep talk

CS 178, Spring 2009



Marc Levoy
Computer Science Department
Stanford University

The midterm



- ◆ the median was 75% (score of 102), which is about right
- ◆ 85% of you scored higher than 1 standard deviation below the mean
- ◆ grades will be curved to 40/50/10% A/B/C's (standard in the SoE)
- ◆ nobody fails my courses who are evidently trying to do well

The lectures

- ◆ people want practice questions on lecture material, to help them prepare for exams
- ◆ assignments #7-9 will include a mix of photographic requirements and technical questions (too late for #6)
 - submit your answers via Google Docs (details later)
- ◆ week 10 sections (June 1-4) will be devoted entirely to review of technical material for the final exam
- ◆ no lecture Thursday, June 4 (oops)

The assignments

- ◆ people generally like them
- ◆ people want more feedback on their photos
- ◆ people want more Photoshop tutorials

- ◆ replacing week 8 sections (May 18-21, night photography walkabout) with a lab session
 - critique of photographs
 - 2nd Photoshop tutorial
 - Jesse may offer optional night photography sessions
- ◆ remember that you can augment your past assignments
 - up to 5 additional photographs

Changes in syllabus

will need to move
May 25 sections

- ♦ to make these changes work, we're swapping the topics of weeks 8 and 9 (lighting & portraits)

| Color and lighting | | | | |
|--------------------|------------|---|--|--|
| week 7 | Tue May 12 | Color theory color sensitivity, color matching, 3D color spaces, chromaticity diagrams, additive & subtractive color | London, chapter 7 - color, Stone, A field guide to digital color, 1 | Assignment #6 - landscape and nature (due Sunday, May 17, 11:59pm) |
| | Thu May 14 | Color photography temporal versus spatial multiplexing, Bayer mosaics, demosaicing, white balancing | Minneart, Light and Color...Outdoors, 11 | |
| week 8 | Tue May 19 | Light and reflection radiometry & photometry, diffuse & specular reflection, BRDFs, scattering, atmospheric perspective | Reinhard, HDR Imaging, 2.1-2.2, Dorsey, Modeling...Material Appearance, 3 | Assignment #7 - low-light & night (due Sunday, May 24, 11:59pm) |
| | Thu May 21 | Photographic lighting studio lighting, key & fill, flash, guide numbers, synchronization, flash-noflash & multi-flash | London, chapter 13 - lighting, Hunter, Light Science and Magic, 7 | |
| Image processing | | | | |
| week 9 | Tue May 26 | Image editing contrast & histograms, cloning & healing, selection, masks, layers, Photoshop filters | London, chapter 9 - image editing | Assignment #8 - portraiture (due Sunday, May 31, 11:59pm) |
| | Thu May 28 | Files and formats file formats, RAW processing, compression, TIF & JPEG, color spaces & management | London, chapter 8 - digital darkroom | |
| week 10 | Tue June 2 | Image collections panoramic stitching, matte extraction & compositing, image completion & image-based search | London, chapter 10 - digital printing, London, chapter 11 - organizing and storing | Assignment #9 - nonrealistic imaging (due Sunday, June 7, 11:59pm) |
| | Thu June 4 | (no lecture) | | |
| | Tue June 9 | <i>Final exam, 7-10pm, place TBA</i> | | |