

CS325/FILM385AB Final Exam
April 14, 2011, 14:00 – 17:00, CL418
D. Hepting

The final exam contributes 20 marks towards your final grade. This exam has 60 marks divided evenly between 2 types of questions. I value quality over quantity but you should at the same time write enough to show me that you understand the concepts. You have 180 minutes to complete the exam, or 3 minutes per mark. **WRITE ALL YOUR ANSWERS IN THE EXAM BOOKLET.** If you are not sure how to interpret a question, make your assumptions clear in your response – I won't clarify questions during the exam.

Part 1. (10 questions x 3 marks = 30 marks). For each question below, do: a) answer the question itself (1 mark, 1-2 sentences); b) identify the significance in the context of this class (1 mark, 1-2 sentences); and c) provide an example (1 mark, 1-2 sentences).

1. What is the digital divide?
2. What is quantization?
3. Why do fast-moving wheels sometimes appear to spin backwards?
4. How can lossy compression not look lousy?
5. What is a pixel?
6. What is non-linear about non-linear video editing (and what isn't)?
7. What image type (bitmapped or vector) would you choose for speed?
8. Can bitmapped vs. vector be extended to sound/audio?
9. How can form and content be separated for the web?
10. What is YUV?

Part 2. (3 questions x 10 marks = 30 marks). You should be able to write a page side about each of these. Please take some time to plan your answers.

1. What the similarities (4 marks) and differences (4 marks) between a timeline vs. a scripting approach to specifying actions? Do the differences have an impact on the final product (2 marks)?
2. How (and why would you choose that method) would you turn a picture into sound (5 marks)? How (and why would you choose that method) would you turn a sound into a picture (5 marks)?
3. What are the positives and negatives associated with digitizing content for a website (5 marks)? What choices do you have to make when putting together a media-rich website (5 marks)?