

CS205 Final Exam  
April 18, 2016, 14:00 – 17:00, CL420  
D. Hepting

This is a closed book exam. You must maintain the confidentiality of your examination; do not provide any opportunity for others to copy any of your work. Electronic devices are NOT permitted during the exam. Please turn off and put away all cell phones and other electronic devices during the exam period.

**Choose 8** of the 12 questions to answer. *All answers must be written on this exam in the space provided.* If you answer more than 8 questions, please clearly indicate which ones should be marked – because I will not mark more than 8. You have 180 minutes to complete the exam. Please plan your answers, favour quality over quantity, and do your best to write legibly.

This exam contributes 20 marks towards your final grade. Recall that you **must pass** the final exam to pass the course. If you do not, you will receive a grade of 40.

Name (printed): \_\_\_\_\_

Signature: \_\_\_\_\_

Student Number: \_\_\_\_ \_ --- \_\_\_\_ \_ --- \_\_\_\_ \_

Questions To Be Marked (choose 8 of 12). Each question is worth 6 marks; 8 x 6 = 48 marks.

Number	Yes, Please Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

**BONUS** (2 marks): Put your initials on EACH page of the exam.

SPACE FOR ROUGH WORK

Q1. What is the difference between additive and subtractive colour? Please explain.

[illegible]

OVERFLOW SPACE FOR Q1.

Q2. Please explain the importance of sampling and quantization. What impact does each have on digital media?

[illegible]

OVERFLOW SPACE FOR Q2.

Q3. What is different between new and old media? Can this be explained in terms of video editing technologies?

[illegible]

OVERFLOW SPACE FOR Q3.



Q4. What is the relationship between ASCII, Unicode, UTF-8, and UTF-16?

[illegible]

OVERFLOW SPACE FOR Q4.

Q5. What is the difference between "bitmapped" and "vector" formats for images? What is an example of the difference for something other than images?

[illegible]

OVERFLOW SPACE FOR Q5.

Q6. What is interlacing and why was it first developed? Is it still preferred?

[illegible]

OVERFLOW SPACE FOR Q6.

Q7. Define multimedia and explain with an example

[illegible]

OVERFLOW SPACE FOR Q7.



Q8.Is time important in multimedia? Please explain.

[illegible]

OVERFLOW SPACE FOR Q8.

Q9. Describe 2 ways in which you might transcode image to sound.

[illegible]

OVERFLOW SPACE FOR Q9.

Q10. Is remixing important for our understanding and use of digital media? Moreso than analogue media?

[illegible]

OVERFLOW SPACE FOR Q10.

Q11. What are the different ways that images and videos can be compressed?

[illegible]

OVERFLOW SPACE FOR Q11.



Q12. Do digital formats risk unintentionally removing essential aspects of a media for the person who experiences it? Please explain.

[illegible]

OVERFLOW SPACE FOR Q12.