CS 384 Test 1 Topics

Format: 5-10 factual or short essay questions. The topics listed below are most likely to appear on the test, but there may be questions on other readings and discussions. You may be asked to discuss issues based on readings and classroom discussion. I will provide a copy of the ACM Code of Ethics.

1. Text, chapter 1: Internet and ethical values
   a. According to the text, what factors affect our behavior?
   b. What are common views of the effects of technology on our lives? Describe the views of those who are negative, neutral, utopian, and realists with respect to technology.
   c. What is the difference between teleological and deontological ethical theories?
   d. Explain utilitarian ethics.
   e. Explain contractarianism.
   f. Explain the “moral duty” ethical system described in the text. What are the two formulations of the categorical imperative?
   g. Explain the “new natural law” ethical system.
   h. How might these ethical systems address an ethical question such as whether wardriving is ethical?
   i. What were the steps recommended in class for helping you to think about the various aspects of an ethical dilemma you might face?

2. ACM code of ethics
   a. You will be given a couple of case studies and asked to comment on whether you think the ACM Code of Ethics would approve or disapprove of the behavior in question. You should mention the moral imperatives from the ACM code that apply.

3. Intellectual property
   a. What is the basic reasoning behind intellectual property law in the constitution?
   b. Compare and contrast patent and copyright, in terms of what kind of intellectual property is covered, how you get this coverage, how long it lasts, and what rights is confers
   c. What is fair use? Explain.
   d. What did the Supreme Court have to say about fair use in the Sony v. Universal City Studios case?
   e. How is contract law used in an attempt to protect programs and other intellectual property?
   f. What is the DMCA? What is DRM? How do they change the way intellectual property can be protected? What are the effects on copyright and fair use? Give examples mentioned in class.
   g. What is a “mini-Hollings” bill? How are they used (along with licensed technical standards such as HDMI) to address intellectual property protection issues?
   h. Review the “10-minute guide to patent law” found at the end of the article Patently Absurd.

4. Privacy
   a. Why is privacy important even for people who have nothing to hide?
   b. What are the five principles of the "Code of Fair Information Practices"? What is the legal status of that code? What principles does the ACM Code of Ethics add?
   c. What legal privacy requirements might apply to you if you run a commercial Web site?
   d. How do laws protecting privacy differ in the United States and Europe?
   e. Be prepared to write a brief ethical opinion about the NSA data gathering program and the Apple vs FBI encryption case.