Announcements:

• Monday, April 29, will be course wrap up and answering questions concerning the optional final exam.
• It is the intention of the instructor to have all items graded by Monday, April 29. But more likely, all items will be graded by the end of the week. After all items are graded and scores are posted to Blackboard, a preliminary final grade will be computed and sent to each student by email.
• Students may accept their preliminary grade as their final grade, or they may take the Optional Final Exam. The Optional Final Exam score will replace the lower of the two in-class exam scores. Students must declare their decision by 5pm on Monday, May 2.

The Optional Final Exam is scheduled for Wednesday, May 4, 9:00am-10:00am (i.e. it is a one-hour exam). As usual, you may bring one 8.5x11in sheet of notes and a calculator. The exam will be cumulative and comprehensive. Questions will be both concept questions, especially emphasizing differences in related concepts, and application of algorithm questions.

Consult the previous two review sheets for topics. Additional topics since Exam 2 are given below, but this is in no way to be construed as an exclusive list. Disk systems (Chapter 12) definitely will not be on the exam.

1. Protection - difference from security; protection domains, access matrices and access lists; Unix file protection scheme
2. Security - difference from protection; user authentication methods such as passwords, biometrics; program threats such as Trojan horse, trapdoor, stack & buffer overflow, viruses; network threats such as worms, denial of service (i.e., read Chapter 14).
3. Case studies - general concepts related to operating systems and applications for mobile hardware (i.e., nothing specific about a particular operating system)