Midterm Exam #1 will be given 1:30-2:20pm, on Wednesday, February 16, 2011, in class (Room C-141). It will be an open text book (Andrew S. Tanenbaum, Structured Computer Organization, 5th Ed., Pearson Prentice Hall, 2006) and open notes test. The exam will be made up of short problems and short essay type questions. The use of laptops, PDAs and cell phones are strictly prohibited. Students should bring their Blue/Green Exam Pads to the exam. Students are responsible for topics covered in class and in the homework assignments, and the reading assignments. Students should turn in both their Exam Pads and their Exam Books when the time is up for the test.

Chapters of the text to be reviewed:

1.1 Structured Computer Organization  
1.2 Milestones in Computer Architecture  
1.3 The Computer Zoo  
1.4 Example Computer Families  
1.5 Metric Units  

2.1 Processors  
2.2 Primary Memory  
2.3 Secondary Memory  
2.4 Input/Output  

3.1 Gates and Boolean Algebra  
3.2 Basic Digital Logic Circuits  
3.3 Memory  
3.4 CPU Chips and Buses  
3.5 Example CPU Chips  
3.6 Example Buses  
3.7 Interfacing  

Appendix A Binary Numbers