Today’s Agenda

- Information on the final exam
- Discuss “Exploiting Choice” SMT paper
- Vectors (~10 slides)
- Xbox 360 & wrap-up (~20 slides)
- Course evaluations

CIS501 Final Exam

- Topics
  - Anything we have covered
  - Plus possible question from pair of distinguished lectures
    - Pair of questions, answer one of two
- Format: like midterm
  - Short answer, calculations, etc.
  - Exam from previous year posted
    - Somewhat different than past exams by Prof. Roth
- During the exam:
  - Closed book/note exam
    - “cheat sheet” - two pages front & back
  - Simple calculator
    - Without communication functions

H&P Assigned Readings

- Units 0/1/2: Introduction, Tech., Performance – Chapter 1
- Unit 3: ISAs – Appendix B, Appendix J.2, J.3 (On CD)
- Unit 4: Caches
  - Appendix C.1-C.3
  - Chapter 5.1-5.3, 5.6-5.8
- Unit 5: Virtual Memory & I/O
  - VM: Appendix C.4, C.5 starting with page C-53 (Opteron)
  - Disks: 6.1, 6.2, 6.7-6.10
- Unit 6/7: Pipeline, Branch Prediction, Superscalar
  - Appendix A, Chapter 2.3, 2.7-2.12
- Unit 8: Scheduling – None
- Unit 9: Multicore – Chapter 4
- Unit 10: Multithreading – Chapter 3.5-3.6, 3.7-3.8
- Unit 11: Vectors – None

Studying for the Exam

- Resources:
  - Course notes
  - Discussion papers (see course web page)
  - H&P Book
    - Readings (see previous page)
    - Example problems and end of chapters
  - Past exams
  - Your homework assignments
- Review session?
  - Monday?
  - If so, come with questions ready