

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