CSE506 PhD Section Overview

Nima Honarmand
Course Information

• Instructor: Nima Honarmand
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• TA: Yizheng Jiao (mainly)
• Email address: cs506ta@cs.stonybrook.edu

• Newsgroup: piazza.com/stonybrook/fall2014/cse506/home
• Website:
  compas.cs.stonybrook.edu/~nhonarmand/courses/fa14/cse506.2/index.html
Course Format

• Two parts:
  • Part 1: same material as MS section (up to Security)
  • Part 2: Introduction to some advanced OS topics
    • Emphasizing paper reading (it’s a PhD section after all)

• Grading
  • 5 Lab assignments (same as first 5 in MS section) – 37%
  • Midterm and Final exams – 20% & 20%
  • Paper reading and discussion – 18%
  • Presentation or Project – 15%
  • Sum is 110% → 10% extra to help you pass the qualifier
    • 90+ is A- or better
Course Format

• There will be papers for reading and discussion
  • Occasionally in Part 1, mostly in Part 2
  • Should discuss papers on newsgroup (mandatory participation)

• In Part 2, we’ll discuss advanced topics
  • Such as alternative OS architectures and security

• For the last 15%:
  • Present a set of assigned papers in Part 2
  - or -
  • Do a research project
  • Same groups as in your lab assignments
Paper Discussions

• First paper assigned today; you have a week
  • *Hoard: A Scalable Memory Allocator for Multithreaded Applications*

• Should discuss papers on piazza (mandatory participation)
  • For each paper, I make an initial posting; you respond to that with your thoughts on the paper
    • points you learned from the paper (and not already pointed out by previous posts)
    • your questions, comments or critiques about the paper
    • answers to your classmates’ questions, comments or critiques
    • discussion of other pieces of other closely-related work

• Only post to the PhD section on Piazza
Labs & Project/Presentation

• **First 5** JOS labs (same as the MS section)

• Should do a research project –or– a presentation
  • Proposals due 10/23

• Read the **Assignments** page on the course website for complete instructions