

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