Exam Review (preview)

15-213/18-213: Introduction to Computer Systems 27th (and last) Lecture, 1 May2014

Instructors:

Anthony Rowe, Seth Goldstein and Gregory Kesden

Today

■ Final Exam

Final Exam (online)

Monday WeH 5207, GHC 5201, GHC 5208, WeH 5207

May 5th (All rooms open from 10am until 10pm)

Tuesday WeH 5207, GHC 5201, GHC 5208, WeH 5207

May 6th (All rooms open from 10am until 10pm)

Wednesday WeH 5207, GHC 5201, GHC 5208, WeH 5207

May 7th (All rooms open from 10am until 10pm)

Thursday WeH 5207, GHC 5201, GHC 5208, WeH 5207

May 8th (All rooms open from 10am until 10pm)

- Everything from lecture, the book and labs is fair game...
- Closed-Book, 2 double-sided notes page
- Sign up link will be up later today
- Exam Review Session: Rashid 4401 Sunday 2-6pm
 - Email Questions to staff list
 - Subject: "Final Review Question"

Final Topics (from mid-term)

- Assembly Code
 - Assembly to C translation
 - Stack management
- Structure Alignment
- Ints, Floats
- Cache

Final Topics (new)

- Process Control
- Signals
- File I/O
- Memory Layout
- Virtual Memory
- Dynamic Memory

Final Topics (new)

- Concurrency + Thread Safety
 - Reader / Writer Locks, mutex, semaphore
 - Starvation, deadlock
 - What makes a function thread-safe vs unsafe?
- Networking
 - Understand notion of sockets and ports

Summary

- **Exam Review Session: Rashid 4401 Sunday 2-6pm**
 - Email Questions to staff mailing list with
 - Subject: "Final Review Question"

- Next Time:
 - There is no next time 😊