Exam Review (preview)

15-213/18-213: Introduction to Computer Systems
27th (and last) Lecture, 1 May 2014

Instructors:
Anthony Rowe, Seth Goldstein and Gregory Kesden
Today

- Final Exam
Final Exam (online)

- **Monday**
  - May 5th
  - WeH 5207, GHC 5201, GHC 5208, WeH 5207
  - (All rooms open from 10am until 10pm)

- **Tuesday**
  - May 6th
  - WeH 5207, GHC 5201, GHC 5208, WeH 5207
  - (All rooms open from 10am until 10pm)

- **Wednesday**
  - May 7th
  - WeH 5207, GHC 5201, GHC 5208, WeH 5207
  - (All rooms open from 10am until 10pm)

- **Thursday**
  - May 8th
  - WeH 5207, GHC 5201, GHC 5208, WeH 5207
  - (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 😞