

CS 411 Concurrency Intro

①

Threads vs. Processes

Processes share nothing

Threads share everything but

- registers

- stack (*)

* All stacks are in the same address space. Why should we be nervous about this?

~~Remember~~

look at t1.c, run, and figure out what happened.

②

Why ???

- we can't predict when thread context switches occur
- Each thread non-atomically modifies shared data

Critical Section

Mutual Exclusion

Critical Section Size