

Welcome to CS140 Assembly Language and Computer Organization

aka “Computer Systems”
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What's a Mashup?

- Why does this course list 3 (or 4) books?
 - We're going to be doing some kind of Mashup!
 - What's that? Beats me, we'll find out!
- The primary schedule of topics will follow the nand2Tetris plan.
 - The Elements of Computing Systems
- Supplemental material will come from CS:APP
 - Computer Systems: A Programmer's Perspective
- Some lecture intuition will come from:
Code: The Hidden Language of Computer Hardware and Software

What we'll do

Nand2tetris projects:

- <http://www.youtube.com/watch?v=-9Xclbl7piU>
- <http://www.youtube.com/watch?v=x0z9tisBu7g>

- Pong Reborn:

- [http://www.reddit.com/r/gaming/comments/14wr0a/to build a video game from scratch you must first/](http://www.reddit.com/r/gaming/comments/14wr0a/to_build_a_video_game_from_scratch_you_must_first/)
- <http://imgur.com/a/TUGto#0>
- <http://www.youtube.com/watch?v=WS8JTAK34Fg>
- Well, we probably won't make this, but we'll understand it!