ENS/CSC 446 Computer Architecture

Instruction formats and addressing schemes. Arithmetic and logic unit design. Control unit design: hardwired and micro programmed. Main memory technology. Virtual, high-speed, associative, and read-only memories. Programmable logic arrays. Computer organizations including stack, parallel, and pipeline. System structures: time sharing, multiprocessing, and networking. Digital communications. Input/output systems; direct memory access..

Textbook/Reading material: Computer Systems Design and Architecture (any edition) by Vincent P. Heuring & Harry F. Jordan

References: ftp://schof.colorado.edu/pub/CSDA/ - Contains course slides, errata, etc.

Instructor: Stephen Gundry
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Office Hour: Tuesday 10:10AM – 11:10AM (4N – 105 Prep Room)
(Politely Enter the class and ask for me.)

Online Course Files www.apsc.csi.cuny.edu/ens446

Course Breakdown

- Course Introduction & Chapter 1
- Chapter 2
- Chapter 3
- Exam 1 (Exam 1 may include more content depending on pace of class.)
- Chapter 4
- Chapter 5
- Chapter 6
- (Possibly More depending on time considerations)
- Project Presentations
- Exam 2

Grading Policy:  

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