COEN 210
COMPUTER ARCHITECTURE (4 units)
Fall 2008

Instructor: Dr. Bill Yi

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Class Hours & Location: Wed. & Fri. 17:10 – 19:00., EC326
Office Hours: Wed. & Fri. 19:00 – 19:45, or by appointment

Web Site: www.cse.scu.edu/~xyi/coen210

Texts:

Grading System:
Homework (10%)
Quizzes (5%)
Exam 1 (20%) (Friday, Oct. 10, 2008)
Exam 2 (25%) (Friday, Nov. 7, 2008)
Final Exam (40%) (Comprehensive, class time, Wednesday, Dec. 10, 2008)

Pre-requisites: COEN 20 (or ELEN 33) and COEN/ELEN 21, or their equivalents.

Class & exam policy:
In general, no late homework and no make-up exam. Official proof of emergency required for missing an exam. In such a case the grade for final exam will be applied to the midterm exam missed.

Topics (tentative):
• Introduction – Overview, Technology Trends, Performance
• Instructions
• Computer Arithmetic
• Performance
• Processor: Datapath
• Processor: Control
• Pipelining Techniques
• Memory
• I/O Devices (if time permits)
• Review