CS 401 COMPUTER ARCHITECTURE Spring 2016

Instructor: Wen-Chi Hou
Office: Faner 2134
Phone: 453-6040
e-mail: hou@cs.siu.edu
Office Hours: 2:00 - 4:00
Mon, Wed, & Fri

TA: Wei Rang
Faner 2131 (tutoring center)
e-mail: weirang@siu.edu
Office Hours: 2:00 – 3:30 PM
Tue & Thu

Text Book:
"Computer Architecture", M. Zargham, Prentice Hall, 1996,
http://www2.cs.siu.edu/~cs401/

Reference:
"Computer Architecture: A Quantitative Approach, J. Hennessy & D Patterson, 2006

Prerequisite: CS 315 with a grade of C or better.

Grading: Tentative

Homework: 30%  No late submissions will be accepted
Three One-hour Exams: 65%  
Final (or the 3rd) Exam: 12:30 PM, 5/12/2016
Attendance: 5%  Class attendances are required

Note: Percentages are tentative

Course Outline:

1. Classification of Designs
2. Von Neumann Architecture
3. Pipelining
4. Reduced Instruction Set Computers (RISC)
5. Interconnection Networks
6. Multiprocessors and Multi-computers