CS 401  COMPUTER ARCHITECTURE    Spring 2016

Instructor:  Wen-Chi   Hou                                               TA: Wei  Rang

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  Office Hours :  2:00 - 4:00                                   2:00 – 3:30 PM
                   Mon, Wed, & Fri                                   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