COMP 222 Computer Organization
Fall 2013 Syllabus

When and Where:

Tue, Thur 11am-12:15pm, JD 3508   OR   Tue, Thur 5:30-6:45pm, JD 3508

Who:

- Prof. Robert McIlhenny
- Office: JD 4413, ext. 5586
- Office Hours: Tue. 1:00-2:00pm
            Thur. 1:00-2:00pm
- Email: rmcilhen@csun.edu

Which:

W. Stallings, *"Computer Organization & Architecture"*, 9th ed., © 2013

What:

- Introduction/Computer Evolution & Performance **(Chapter 1-2)**
- A Top-Level View of Computer Function & Interconnection **(Chapter 3)**
- Cache Memory **(Chapter 4)**
- Internal Memory Technology **(Chapter 5)**
- External Memory **(Chapter 6)**
- Operating System Support **(Chapter 8)**
- Number Systems **(Chapter 9)**
- Computer Arithmetic **(Chapter 10)**
- Instruction Sets **(Chapter 12-13)**
- Processor Structure and Function **(Chapter 14)**
- Instruction-Level Parallelism and Superscalar Processors **(Chapter 16)**

How:

- Assignments (30%) [via Moodle, no late/emailed assignments except in special cases]
- Midterm 1 (20%)   [no makeups except in special cases w/ documentation]
- Midterm 2 (20%)
- Final exam (30%)

Scale: (A>=92%, A->=89%, B+>=86%, B>=82%, B->=79%, C+>=76%,
    C>=72%, C->=69%, D+>=66%, D>=62%, D->=59%, F<59%)

What not:

Any incident of copying/plagiarism on an assignment/exam will result in an F in the course and a report submitted to the Dean of Academic Affairs.

Why:

To understand the organization and architecture of computers, with emphasis on designing for performance

COMP 222—Computer Organization
Fall 2013 Schedule (subject to change)

Week	Tue.	Thur.
8/27-8/29	Introduction to class	Chapter #1,2 Lecture
9/3-9/5	C Language/ Compiler Overview	Assignment #1 Handout/Discuss
9/10-9/12	Chapter #3 Lecture	Chapter #4 Lecture
9/17-9/19	Chapter #4 Lecture	Assignment #1 due Assignment #2 Handout/Discuss
9/24-9/26	Midterm #1 Review	Midterm #1 Review
10/1-10/3	**MIDTERM #1**	Assignment #2 due Chapter #5 Lecture
10/8-10/10	Assignment #3 Handout/Discuss	Chapter #6 Lecture
10/15-10/17	Chapter #8 Lecture	Chapter #8 Lecture
10/22-10/24	Assignment #3 due Assignment #4 Handout/Discuss	Chapter #9 Lecture
10/29-10/31	Chapter #10 Lecture	Midterm #2 Review
11/5-11/7	Midterm #2 Review Assignment #4 due	**MIDTERM #2**
11/12-11/14	Chapter #12-13 Lecture	Chapter #14 Lecture
11/19-11/21	Chapter #16 Lecture	Chapter #16 Lecture
11/26-11/28	Assignment #5 Handout/Discuss	**THANKSGIVING NO CLASS**
12/3-12/5	Assignment #5 Discuss	Final exam Review
12/10	Final exam Review	
12/17	Assignment #5 due **FINAL EXAM**	