COMP 222 Computer Organization
Spring 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. 12:30-1:30pm
                  Thur. 12:30-1:30pm
- 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 accepted]
- 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
Spring 2013 Schedule (subject to change)

Week	Tue.	Thur.
1/22-1/24	Introduction to class	Chapter #1,2 Lecture
1/29-1/31	C Language/ Compiler Overview	Assignment #1 Handout/Discuss
2/5-2/7	Chapter #3 Lecture	Chapter #4 Lecture
2/12-2/14	Chapter #4 Lecture	Assignment #1 due Assignment #2 Handout/Discuss
2/19-2/21	Midterm #1 Review	Midterm #1 Review
2/26-2/28	**MIDTERM #1**	Assignment #2 due Chapter #5 Lecture
3/5-3/7	Assignment #3 Handout/Discuss	Chapter #6 Lecture
3/12-3/14	Chapter #8 Lecture	Chapter #8 Lecture
3/19-3/21	Assignment #3 due Assignment #4 Handout/Discuss	Chapter #9 Lecture
3/26-3/28	Chapter #10 Lecture	Midterm #2 Review
4/2-4/4	Midterm #2 Review Assignment #4 due	**MIDTERM #2**
4/9-4/11	**SPRING BREAK**	
4/16-4/18	Chapter #12-13 Lecture	Chapter #14 Lecture
4/23-4/25	Chapter #16 Lecture	Chapter #16 Lecture
4/30-5/2	Assignment #5 Handout/Discuss	Assignment #5 Discuss
5/7-5/9	Final exam Review	Final exam Review
5/14	Assignment #5 due **FINAL EXAM**	