CS 3843 Computer Organization

Spring Semester, 2013

INSTRUCTOR: Qi Tian
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CLASS TIMES: MW, 4:00 - 5:15 pm, CS 3843.001

PLACE: McKinney Humanities (f. HSS) 3.04.14

RECITATION TIMES: M, 5:30-6:20 pm, SB 3.02.10A, CS 3841 - 001
W, 5:30-6:20 pm, SB 3.02.10A, CS 3841 - 002

TA: Xinran Yu (ipm613@my.utsa.edu)

OFFICE HOURS: MW, 2:00–4:00 pm and by appointments

TEXTBOOK: Computer Systems, A Programmer's Perspective by Randal E. Bryant and David R. O'Hallaron

PREREQUISITES: CS 2123 (Data Structures)
CS 2213 (Advanced Programming)

OBJECTIVE:

- To understand concepts underlying computer systems at the macroarchitecture level
- To understand how to program in assembly language

COURSE OUTLINE:

We will cover most of the materials from the text through section 4.3. Additional topics will be covered as time permits.

GRADING POLICY:

35 % - Midterms
20 % - Assignments
10 % - Quizzes and Class Participation
35 % - Final Exam

The same grade is assigned for CS 3843 and CS 3841.
STUDY DAYS: Thursday, May 2nd and Friday, May 3rd.

TEST DATE:
Midterms – TBD (in late February and early April)
Final Exam -
CS 3843.001 Friday, May 10, 2013 1:30 - 4:00 pm

ATTENDANCE: Attendance in the lecture is required.

COURSE POLICY:
The last day for an undergraduate to drop this course is Monday, April 29, 2013. No make-up exams will be given except for university sanctioned excused absences. If you must miss an exam (for a good reason), it is your responsibility to contact me before the exam. Leave a message at the above number or send me email.

Unless otherwise stated, all assignments are due at the beginning of class on the due date. Typically there will be a 10 per cent penalty for assignments turned in after that time. Do not miss class to finish an assignment. Assignments which are not turned in by the start of the class after the due date will not be accepted.

You must keep copies of the source code for all assignments and the copies of midterms and quizzes for this course at least until you receive your final grade for the course. At any time during the semester you may be asked to demonstrate any of your programs.

All work turned in for a grade should be your own work. Working with others, unless explicitly allowed on an assignment, is considered cheating. This type of scholastic dishonesty usually results in immediate failure in the course and can lead to additional disciplinary action.

Scholastic dishonesty: The integrity of a university degree depends on the integrity of the work done for that degree by each student. The University expects a student to maintain a high standard of individual honor in his/her scholastic work.

Important: If you use computers long enough you will delete a file by mistake. When working on assignments, make copies of your course code often and store the copies in a safe place. At a minimum, you should store them on your account in a different directory. It is a good idea to use a separate directory for each assignment and a separate subdirectory for each part of the assignment. Copy everything from one part of the assignment into a new directory before starting on the next part. After you have worked several hours on a program and have it almost working, make a backup copy before doing any major modifications.
Students are expected to assist in maintaining a classroom environment that is conductive to learning. To assure all students have the opportunity to gain from time spent in class, students are prohibited from engaging in any form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.