CSC 312 Introduction to Computer Systems and Architecture

I. Course Information

   Semester: ______________________
   Time: ______________________
   Room: ______________________
   Credit Hours: 3

II. Prerequisites

   CSC202 or CIS235

III. Instructor

   Name: ______________________
   Office: ______________________
   Email: ______________________
   Office Hours: ______________________

IV. Textbook

   Computer Systems, 2nd Edition; J. Stanley Warford; Jones and Bartlett; 2002;
   ISBN# 0-7637-1633-2

V. Course Objectives

   A first course in digital systems, including a treatment of logic and digital circuits as well as design using register-level components. Data representation, device characteristics, and register transfer notation are covered in a manner that stresses application of basic problem-solving techniques to both hardware and software design.

VI. Course Outline

   Chapter 1: Computer Systems
   Chapter 2: C++
   Chapter 3: Information Representation

   MIDTERM

   Chapter 4: Computer Architecture
   Chapter 10: Combinational Networks
   Chapter 11: Sequential Networks
**FINAL EXAM**

**VIII. Ethical Responsibilities**: Students are also expected to demonstrate ethical policies and practices in the course. Cheating will not be tolerated (zero Tolerance) If caught, you will receive a zero.

**IV. Course Evaluation**

A. Homeworks 40 points (Late will be 20% penalized for each day)
B. Midterm 20 points
C. Final 40 points (Comprehensive)

Total 100 points

90 or above A
80 – 89 B
70 – 79 C
60 – 69 D
59 or below F

Grading is done on an absolute, but adjustable scale. This means that there is no curve. This scale may go down, but it will not go up.

**V. Class Attendance Policy**

Students are expected to attend all classes and not be absent without adequate cause. Students are only allowed three unexcused absences. On the 4th unexcused absence, student’s total grade will be reduced 10 points, and so on. Also, please try to come on time and don't leave early.

Makeup exams and late assignments will only be allowed for excused absences. It is the responsibility of students to makeup exams and other assignments, due to excused absence, within 1 week.

Excused absences will be provided in case of: serious illness, death in the immediate family, participation in required school activities, emergency situations as determined by the Department Chairperson, the Vice President for Student Affairs or the University Nurse.

In all of the above cases, proper documentation must be presented. Proper documentation includes a written statement from the appropriate healthcare official(s), funeral director, agency representative, etc.

All requests for excused absences must be in the offices of the Vice President for Student Affairs, the University Nurses and/or the Department Chairperson within 48 hours of the occasion necessitating the excuse.

**VI. Cheating**

While students are encouraged to help each other, this is not a license to cheat! Students caught cheating will receive a zero (0) for their assignment. This includes students who allow their work
to be copied and students who copy others work. Students caught cheating a second time will receive an automatic “F”.

VII. USE OF THE SHAW UNIVERSITY LIBRARY

It is imperative that you familiarize yourself with the instructional materials that are available to you in the James E. Cheek library on campus. Not only are there numerous books, periodicals, magazine articles, encyclopedias, and newspapers on hand for your perusal in our Library. There are course textbooks and related instructional materials that your professors have placed On Reserve for you as well. In addition, there you will have access to state-of-the-art computers and laptops, which help to place the world virtually at your fingertips. Don’t wait another day. Become a regular patron at the James E. Cheek Library here on the campus of Shaw University. You’ll become a far better scholar, a more capable and well-rounded intellectual, and a sharper and more competitive individual. It’s your library. Use it!