CSC315 Computer Organization with Assembly Language

I. Course Information

Semester: _____________________
Time: _____________________
Room: _____________________

II. Prerequisites

CSC312

III. Instructor

Name: ______________________
Office: _____________________
Email: _____________________
Office Hours: TBD

IV. Textbook


V. Course Objectives

A course in computer organization and assembly language programming. Students are exposed to the register-level architecture of a modern processor and gain experience programming in the assembly language for that processor. Topics associated with data representation, I/O devices, and bus transactions that have been previously maintained are reinforced and amplified.

VI. Course Outline

Chapter 1: Basic Concepts
Chapter 2: IA-32 Processor Architecture
Chapter 3: Assembly Language Fundamentals
Chapter 4: Data Transfers, Addressing, and Arithmetic
Chapter 5: Procedures
Chapter 6: Conditional Processing

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Chapter 7: Integer Arithmetic
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**

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>A. Homeworks</td>
<td>40</td>
</tr>
<tr>
<td>B. Midterm</td>
<td>20</td>
</tr>
<tr>
<td>C. Final</td>
<td>40</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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(Late will be 20% penalized for each day)

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!