

Computing Systems with IBM Assembly Language
Outline - Computer Science 2160
Fall 2009

PREREQUISITE: CSCI 2150 - Computer Organization

OBJECTIVES:

1. Provide a thorough knowledge of the internal (to the computer) representation of information;
2. Provide a thorough introduction to programming in a common assembly language;
3. Provide an understanding and appreciation of what lies "behind" the high level programming languages and the operating system user interface.

CSCI 2160 Spring 2008

Instructor: Dr. Gene Bailey **Office:** Nicks Hall 477 **Phone:** (423)439-6959
Office Hours: TR 1:30-4:00 PM, W 2:00-3:00 and by appointment
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Required text: None – Recommended: [http://doc.ddart.net/asm/Microsoft MASM Programmers Guide v6.1/](http://doc.ddart.net/asm/Microsoft_MASM_Programmers_Guide_v6.1/)

Assembler: MASM611

Course deliverables:

Tests: 3 @ 15% = 45% **Exam 3 will be on Tuesday, December 15, 2009**

(anyone who has completed ALL assignments with a grade of at least 70, and an overall course average of 90 will be exempt from the final exam)

Final Exam: 10 %

Exercise: 5-12 smaller labs combined worth 20%

Projects: 5-6 major programs to write/test/debug for a total of 25%

Quizzes: 8-10 The average will be used as the last exercise

All labs will be dropped in the **D2L** dropbox by the due date and time. **Late Work - ZERO TOLERANCE – NO LATE WORK ACCEPTED**

Tentative Grading System	
93 <= A <=100	78 <= C+ < 80
90 <= A- < 94	73 <= C < 78
88 <= B+ <90	70 <= C- <73
83 <= B < 88	68 <=D+ <70
80 <=B- < 83	60<= D <68
	F <60

Note: Exercises and labs will be assigned in class. If you miss a class, be sure to check with your classmates for notes and handouts – and assignments. **It is VERY possible that assignments may be made in class but not made available on D2L.**

Exercise and Project submission:

You will typically have about a week to complete the exercises. Exercises will be posted on D2L and/or announced in class. For exercises done in the lab, students may leave the lab only when the class is over or the lab is completed. Unless otherwise stated, **all work MUST be "dropped" onto D2L.. Zip up all files associated with a lab, the .asm files, .lst files, and .exe files and any data files. Your code MUST be appropriately documented. You MUST use the correct naming convention when dropping labs/projects/exercises into the drop box.** Do NOT discard lab printouts in the trash bins in the labs. Student labs which are too similar to be coincidental will receive grades of 0.

zipped exercise files: **Exer1Bailey.zip** (if it were MY exercise, this is what I would type). Do NOT title the dropped file.
zipped projects: **Proj1Bailey.zip**

Absences: You may have up to 3 absences with NO penalty, so choose your absences carefully. After 3 absences, your final average will be reduced by 2 pts for every absence.