

**CSCI 3160**  
**Introduction to Assembly Language**  
**Syllabus**  
**Fall 2001**

*Instructor:* Dr. Richard Detmer

*Office:* KOM 306

*Office hours:* MWF 9:00-10:30, TR 8:00-9:30, others by appointment or chance

*Phone:* 898-2397

*E-mail address:* rdetmer@mtsu.edu

*Web page:* [www.mtsu.edu/~rdetmer](http://www.mtsu.edu/~rdetmer). This page will contain links to course information, including this syllabus, daily homework assignments and open lab assignments.

*Catalog Description:* Computer architecture and assembly language. Major emphasis on addressing techniques, macros, and program segmentation and linkage.

*Prerequisites:* CSCI 1170 or equivalent with grade of C or higher

*Objectives of course:* Upon completion of this course, students should be able to

- describe different ways data are represented in a computer.
- describe how a computer works at the machine language level.
- code high-level language structures in assembly language.
- describe how subroutine linkages work at the machine language level.
- code programs in 80x86 assembly language.

*Text:* Detmer, *Introduction to 80x86 Assembly Language and Computer Architecture*. Note: To sell this book back to the bookstore, you must include the original CD.

*Required materials:* Several 3½" disks

*Strongly recommended:* a calculator that does hex arithmetic

*Methods of Instruction:* Class time will be used in two ways: (1) for instructor's lectures covering new concepts and (2) for students to ask questions on projects, reading, or previously covered topics.

*Academic honesty:* All work for this class (including exams, homework and open labs) is to be done on an individual basis. The penalty for unauthorized collaboration will range from a grade of zero for an individual assignment to a failing grade for the course.

*Attendance:* You are expected to attend class regularly. You are expected to take exams when scheduled unless some serious reason prevents this. In this case, you are to contact Dr. Detmer in advance. If you must miss an exam for a legitimate reason and you give advance notification, then you will be eligible for make-up exam; this exam will normally be different from the regularly scheduled exam.

*Message devices:* If you bring a mobile phone or pager to class or lab it must be either turned off or set to signal you silently. You may not use a mobile phone in class or lab, and may leave the room to use one only if there is an emergency situation.

*Grading policy:* Your grade in this class will be based on

- 60% examination grades – there will be three one-hour examinations and a final examination. The first three examinations will count 100 points each and the final examination will count 150 points.
- 30% open lab assignments. There will be 6-10 programming assignments. The maximum grade that you can earn on a project will decrease by 25% if it is turned in late but within 24 hours of the time due, 50% if turned in 24-48 hours late, and 75% if turned in 48-72 hours late. After 72 hours, you can earn no credit by turning in the assignment.
- 10% quizzes and written exercises. These must be turned in on time to get any credit.

Letter grades will be assigned strictly according to the following scale:

- A average at least 90%
- B+ average at least 88% but under 90%
- B average at least 82% but under 88%
- B- average at least 80% but under 82%
- C+ average at least 78% but under 80%
- C average at least 72% but under 78%
- C- average at least 70% but under 72%
- D+ average at least 68% but under 70%
- D average at least 62% but under 68%
- D- average at least 60% but under 72%
- F average under 60%

*Tentative calendar:*

<i>Week starting</i>	<i>Activity</i>
August 20	Chapter 1, Chapter 2
August 27	Chapter 3
September 3	(no class Monday), Chapter 3
September 10	Chapter 3, Chapter 4
September 17	<b>Exam 1 (Monday)</b> , Chapter 4
September 24	Chapter 5
October 1	Chapter 5, Chapter 6
October 8	Chapter 6
October 15	<b>Exam 2 (Monday)</b> , Chapter 7, (no class Friday)
October 22	Chapter 7
October 29	Chapter 8
November 5	Chapter 8
November 12	<b>Exam 3 (Monday)</b> , Chapter 9
November 19	Chapter 9, (no class Wednesday for 4:30 class)
November 26	Chapter 10
December 3	Chapter 12

*Final Exam:* Monday, December 10, 7:00 a.m. for 8:05 class, 3:30 p.m. for 4:30 class

*Reasonable accommodation for students with disabilities:* If you have a disability that may require assistance or accommodation, or you have questions related to any accommodations for testing, note takers, readers, etc., please speak with me as soon as possible. Students may also contact the Office of Disabled Students Services (898-2783) with questions about such services.