ECE 3223
Microcomputer System Design
Fall 1997

TIME:

Section 001:	MWF	1:30	—	2:20
Section 002:	MWF	11:30	—	12:20

PLACE:

Section 001:	FH	303
Section 002:	CEC	123

INSTRUCTOR:

Dr. J. P. Havlicek
CEC 432
Tel: 325-4279
Office Hours: MW 2:30 – 4:00
E-mail: ece3223@tobasco.ecn.ou.edu

TEXT & REFERENCES:

1. B. B. Brey, "The INTEL 32-bit Microprocessors: 80386, 80486, and Pentium," Prentice-Hall, Englewood Cliffs, NJ, 1995.
2. Other references will be prescribed as necessary.

PREREQUISITE:

ECE 2113, Introduction to Digital Design. Students should be familiar with combinational and sequential digital circuit design techniques, digital design using SSI, MSI, and LSI circuits, and programmable devices such as PALs and PLAs.

HOW TO SUCCEED IN THIS CLASS:

It is CRITICAL that you pace yourself and KEEP UP. Don't put off assignments until the night before they are due. Instead, start each assignment early enough that you can ask questions during office hours if you run into trouble or have questions. This will save you LOTS of time. If you start an assignment the night before it is due, and you run into trouble, then you will have to stay up all night trying to figure out the answers to your questions. If instead you start early, you can stop when you have problems and ask questions during office hours. This approach will minimize the total number of hours you spend on each assignment.

Try to LEARN DURING CLASS by participating in the lectures, both intellectually and vocally. Try to use your time outside of class to DRILL by working exercises. AVOID trying to read the whole book; the homework assignments, tests, and exam will be based on the LECTURES. Think of the book as an auxiliary source of information that you can spot read if you have difficulty working an assignment or if you feel confused about something from the lecture. During the lectures, I will tell you which pages of the book correspond to the material in the lecture.

If you keep up, then you should be able to understand the lectures and LEARN DURING CLASS. If you do not understand, then you should raise your hand and ASK QUESTIONS such as "I do not understand what you just said. It confuses me because..." DO NOT BE ASHAMED OR EMBARRASSED to ask questions!

HOMEWORK ASSIGNMENTS:

Homework will be assigned during class. There will be homework problems and programming assignments. You are encouraged to work together on homework, but **DO NOT COPY!** Each homework solution that you turn in must be your own; if you copy another person's solution and turn it in as your own, then you are cheating. The lowest one-fourth of your homework problems will be dropped and the lowest one-fourth of your programming assignments will be dropped. Homework solutions will be placed on reserve in the library, and may also be placed on the Internet.

TESTS & EXAM:

There will be two tests and a cumulative final exam. Each test will be announced in class at least one week in advance. You may use calculators on tests and on the exam, but you may NOT use calculator programs. Also, you are NOT allowed to store alphanumeric data in your calculator prior to a test or exam, and then retrieve that data during the test or exam. The tests and the exam are closed book and closed notes. However, on Test One you are allowed to bring in ONE 8.5×11 inch note sheet. You may write ANYTHING that you want on the front and back of your note sheet. Everything on your note sheet must be written BY HAND and BY YOU (photocopying, reducing, and laser printing are not allowed). Looking at another person's note sheet during a test or exam is cheating. On Test Two, you are allowed to bring in TWO 8.5×11 inch note sheets. Each sheet must follow the same rules as your note sheet from Test One.

Makeup tests will not be given. If you miss a test and your absence is NOT officially excused, then you will receive a zero grade for that test. If you miss a test and your absence IS officially excused, then your final exam grade will be used in place of the missed test grade.

On the final exam, you are allowed to bring in THREE 8.5×11 inch note sheets. Each of these sheets must follow the same rules as your note sheets from Test One and Test Two.

GRADING:

Your final numerical grade will be calculated as shown in the following table.

What	**Value**
Homework, best three-fourths	40%
Test One	20%
Test Two	20%
Final Exam	20%

Using the table above, I will assign a final numerical grade to each student. These numerical grades will be converted into letter grades using a curve that I will determine. The same curve will be applied to all students in the class.

In addition, I will also use the following guaranteed grading system. If your final numerical grade is 90% or better, then you are guaranteed to receive a letter grade of A. If your final numerical grade is at least 80%, but less than 90%, then you are guaranteed to receive a letter grade of B *or better*. If your final numerical grade is at least 70%, but less than 80%, then you are guaranteed to receive a letter grade of C *or better*. Finally, if your final numerical grade is at least 60%, but less than 70%, then you are guaranteed to receive a letter grade of D *or better*.

COURSE OUTLINE:

The course outline will be developed as the class progresses. Updated outlines will be passed out in class periodically.

REASONABLE ACCOMMODATION POLICY:

Any student in this course who has a disability that may prevent them from fully demonstrating their abilities should contact the instructor as soon as possible to discuss what accommodations are necessary to ensure their full participation in the course.

GOOD LUCK!

REMEMBER TO PACE YOURSELF & KEEP UP!

REMEMBER TO LEARN DURING CLASS!

ASK QUESTIONS WHEN YOU DON'T UNDERSTAND!

USE OUTSIDE-CLASS TIME TO DRILL!