

# ECT 313

## Electronic Microcomputer Systems I

### Spring 2008

Instructor: Daniel Kohn  
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<http://ncatecit.info/>  
Office: Suite 205 Price Hall  
Office Hours: (see website)

Prerequisite: ECT 213 / ECTL 213

Textbook: No “textbook” is required for the course. Reading assignments will be posted in PDF format on the course website at <http://ncatecit.info/>. When off campus, you will be asked for a name and password. This will be provided by the instructor.

Software: We will be using EMU8086 software for class assignments and labs. It will be available in the open computer labs in 201 Price Hall and 4007 Smith Hall. You are encouraged to purchase this software from <http://www.emu8086.com/>.

Labs: Students are required to purchase parts for the labs during the semester (a parts list will be supplied).

You should also have the basic tools and other materials necessary to conduct the labs (such as wire cutters, wire strippers, wire and a small screwdriver. A “chip puller” might also come in handy).

Class Topics:	CPU Architecture	PC Interfacing
	Computer Architecture	Programming techniques
	8088 instruction set	
	I/O and memory	

Grading: Grades will be based on the following:

Tests (2 or 3)	30%
Exam	15%
Assignments and Quizzes	15%
Labs	20%
Final Lab Project	20%

- The standard 10 point scale will be used to determine letter grade.
- As per ECIT policy, you **must earn** a C or better in the class to pass.
- Cheating will result in a failing grade (see below)
- Students missing an excessive number of classes will receive a failing grade.
- If group assignments are given, you must participate in the group to receive a passing grade for that assignment.
- You are responsible for all material covered in class, labs and **READING ASSIGNMENTS**. Quiz, Test and Exam questions will be pulled from all three sources.

#### Late Lab Assignments and Missed Tests / Quizzes:

Unless the instructor states otherwise, all assignments and labs are due in one week at the beginning of the class period. Late assignments will incur a penalty to be determined by the instructor.

Quizzes cannot be made up, tests can be made up **ONLY** when the student contacts the instructor before hand (via phone / Email) with an acceptable reason why you will miss the test. Students who notify the instructor before hand must make up the test within **ONE WEEK** of the test date. The exam cannot be made up for any reason.

#### Instructor Rules:

- 1) **READ handouts before asking questions.** A lot of time is taken preparing lab handouts and I try to answer most of your questions in their contents. If it is obvious that you have not read them I will simply answer your question with “go read the handout”.
- 2) **Do not seek help right before a test.** If you are having problems understanding a topic, don't wait until a test is announce to seek help. See me right away!
- 3) **Clean up after yourselves** in lab.
- 4) **Cheating, copying and plagiarism** will not be tolerated. Students found participating in these activities will automatically fail the class. Unless stated otherwise, students are required to do and submit **their own work!**
- 5) **Disruptions in class** will not be tolerated. This includes talking, making off hand comments or asking off topic questions.
- 6) **Cell phones and pagers** must be turned off before class begins.
- 7) **Be on time** for class!