ECT 213 Digital Circuits Fall 2007

Instructor:	Daniel Kohn	
	dekohn@ncat.edu	
	http://ncatecit.info/	
	Office: Suite 205 Price Hall	
	Office Hours: (see website)	
Prerequisite:	ECT 211 / ECTL 211	
Textbook:	Digital Electronics with VHDL (Quartus II Version) by William Kleitz (ISBN 0-13-171490-2)	
Labs:	Students are required to purchase parts for the labs during the semester (a parts list will be supplied).	
	You are also required to 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:	Number Systems	Exclusive OR and NOR gates
	Digital Electronic Signals and	Binary Arithmetic
	Switches	Code Converters / Multiplexers / Demultiplexers
	Basic Logic Gates	Flip-Flops and Registers
	Boolean Algebra	
	Karnaugh Maps	
Grading:	Grades will be based on the following:	
	Tests (2 or 3) 30%	
	Exam 15%	
	Assignments and Quizzes 15%	
	Labs 25%	
	Final Lab Project 15%	
•	The standard 10 point scale will b	e used to determine letter grade.
•	As per ECIT policy, you <u>must earn</u> 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.	
-	The second	

- 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 <u>their own work</u>!
- 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!