ECE 3040 d,e Microelectronic Devices and Circuits

Fall, 2000
Class Meetings:
M 1:05 – 1:55 pm (d lecture) OR M 2:05 – 2:55 pm (e lecture)
AND
T Th 12:05 – 1:25 pm (d lecture) OR TTh 1:35 – 2:55 pm (e lecture)

Instructors: Prof. Nan Marie Jokerst and Prof. Martin Brooke
Offices: Room 213 (Jokerst), 218 (Brooke) Pettit Building (Microelectronics Research Center)
Office Hours: M 3-4:30 pm, Pettit 213 (Jokerst)
M 9-10:30 am, Pettit 218 (Brooke)
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Website: http://users.ece.gatech.edu/~mbrooke/ece3040

Texts: "Semiconductor Device Fundamentals" by Robert F. Pierret
"Micorelectronic Circuit Design" by Richard Yeager

Grading: Exams in class (3) 20% each
          Final Exam  30%
          Homework  10%

Exam Schedule
   First Exam: Tuesday, September 26, 2000, classtime
   Second Exam: Tuesday, October 31, 2000, classtime
   Third Exam: Tuesday, November 28, 2000, classtime
   Final Exam: TTH 12:05 (d) class: Monday, Dec. 11, 2000, 11:30 am-2:20 pm
                   TTH 1:35 (e) class: Monday, Dec. 11, 2000, 2:50-5:40 pm
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Homework
Homework will be either handed out in class or posted on the web. The due date is posted on each homework set, and is due at the beginning of the class period corresponding to the due date. No late homework will be accepted. The solutions to the homework will be available either through handout or on the WWW after the homework is due. It is very important that you attempt to do the homework prior to receiving the solutions since these problems are representative of the course and exam content. I encourage you to give the homework problems a first try by yourself to encourage independent thought, and then to get together with a group of students to discuss the problems. So, working together on the homework is encouraged. This will help to get you used to collaborative interactions with colleagues through group discussion!

Exams
Partial credit is given for all problems on all homework and exams, so you must SHOW ALL OF YOUR WORK AND EXPLAIN WHAT YOU ARE DOING!!! I can't guess at what you know; you've got to show me what you know!

The three exams during classtime will be open book and open note and will cover material taught since the last exam. The final exam will be closed book, closed notes, and cumulative. Each student will be allowed to bring in to the final exam a single 8.5” X 11” piece of paper, which can have text on both sides, and a calculator.

On your first exam, you will be issued a unique secret number which will be used to post all of the class grades on the Web. No one else but you will be given your secret number. Please advise us if you do not wish to have your grade posted with your secret number. Full class statistics are available for your examination on the web.

Each student is expected to work alone on the exams, and not look at anyone else's exam. Academic honesty, as defined in the GT General Catalog, is expected in these classes. Academic misconduct will be reported to the Vice-President for Student Services.

Office Hours
We are in our offices FOR YOU during the office hours listed on the reverse side of this sheet. ANY situation that is impeding your understanding of our class material is of concern to us, including language barriers, health problems, learning impairments, emotional/family problems, and mental confusion. Our goal in this class is to pass on to you an understanding of the material, but we also care about you individually. Please feel free to just come in and talk about career, school, graduate school, or whatever during office hours. If there's a line, questions relating to the class are given precedence.