

EE 2303 Electronics I

Fall 2001, TTh 7:00-8:20pm, 106 NH

Instructor:

Jason Losh, Ph.D.

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Office Hours are before and after class in 525 NH and at other times by appointment

Textbook:

- *Electronics*, 2nd ed. by Hambley, ISBN 0-13-691982-0

- Selected solutions are available at <http://cw.prenhall.com/bookbind/pubbooks/hambley/>.

General Topics:

- Review of essential circuit concepts
- Operational amplifiers
- Diode modeling, circuits, and basic device theory
- BJT and FET transistor modeling, biasing, and mid-band small signal analysis

SPICE Resources:

- PSPICE™ is available from HKN or from Cadence at <http://www.orcad.com/product/Simulation/PSpice/>.

- A great tutorial by Dr. William Dillon is available at <http://engineering.uta.edu/evergreen/pspice/>.

Additional Resources:

Several books placed on reserve by Dr. Ron Carter in the Science and Engineering Library include

- *Principles of Electronic Circuits*, 2nd ed. by Burns and Bond, 1997
- *MicroSim PSpice for Windows*, 2nd ed. by Goody, 1998
- *SPICE: A Guide to Circuit Simulation and Analysis using PSPICE*, 3rd ed. by Tuinenga

Performance Assessment:

- Grade scale: A (90-100), B (75-89), C (60-74), D (50-59), and F (0-49)
- Grade calculation: (Test1 + Test2 + Final + Project + Quiz avg.) / 5
- The instructor reserves the right to make reasonable changes in performance evaluation as needed.

Quizzes and Tests:

- Calculators (with memories cleared), rulers, pencil, and pen allowed. Notes and books are not allowed.
- No makeup for quizzes (the lowest score will be dropped from the average)
- No makeup for Test 1, Test 2, or the Comprehensive Final Exam

Important Dates:

Quizzes (9/6, 9/20, 10/11, 10/25, 11/15, 12/4) and Project Due Date (12/4)

Test 1 (9/27), Test 2 (11/1), and Comprehensive Final Exam (12/13 from 8:15-10:45pm)

First UG Drop Date (10/5); Last UG Drop Date (11/16); Thanksgiving Holiday (11/22)

Academic Honesty:

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22). ANY CHEATING WILL RESULT IN SEVERE PENALTIES. All work submitted must be original. If derived from another source, a full bibliographical citation must be given.

Americans with Disabilities Act:

If you require an accommodation based on disability, please feel free to meet with me during the first week of the semester to make sure that you are properly accommodated. Contact Dr. Cheryl Cardell (272-3670) or Mr. Jim Hayes (272-3364) for more information.