Course Syllabus

ELEG 3913 – Engineering Electronics

Fall 2007

Instructor:

Dr. Leonard Schaper
Office: BELL 3173
Telephone: 575-8408 (HiDEC) or 575-6046 (Campus)
e-mail: schaper@uark.edu

Textbook: (Required)

Title: Fundamentals of Electrical Engineering and Technology
Author: W. D. Stanley, J. R. Hackworth, R. L. Jones
Publisher: Thomson Delmar Learning

Material will also be available on Web CT.

Prerequisite: ELEG 3903

Class Schedule:

Days: Monday, Wednesday, and Friday
Time: 11:30 AM – 12:20 PM
Place: BELL 282

Grading System:

A(90-100), B(80-89), C(70-79), D(60-69), F(0-59)

Grades will be based 40% on weekly quizzes, which will be given using Web CT, 15% on each of two tests, and 30% on the final exam (open book and notes.) There will be no formal homework assigned or graded. However, it is highly recommended that you work at least the odd-numbered problems that have answers in the back of the book.

I am a hard marker, and the quizzes and tests will be difficult. Do not be discouraged. The final grades will be curved. You can keep track of your quiz grades on Web CT. I will certainly let you know if you are in trouble, usually by email.

Attendance:

Class attendance is your choice. If you can master the material without coming to class, that is fine. But I will, at various times, present material that is not in the book, or present the book's material in different ways that may help your comprehension and quiz scores. If you choose to miss class you are responsible for finding out what was covered. Please

do not expect me to spend time individually with you to fill you in, unless you have a valid medical reason for missing class.

Course Composition:

I understand that ELEG 3913 may not be your favorite course. We are using a new book for the class, which has been significantly restructured to provide more information of importance to mechanical engineers.

Following is the tentative schedule by topic for the 2007 Fall semester. The schedule may be adjusted based on class performance.

DATE	TOPIC	WEEKS	BOOK
Aug. 20 – Sep. 7 (Holiday Sep. 3)	Review of Circuits	3	Ch 1 - 5
Sep. 10 - 21	Electronic devices (diodes, transistors)	2	Ch 6 – 7
Sep. 24	Test 1		
Sep. 26 – Oct 1	Operational Amplifiers	1	Ch 8
Oct 3 – 12	Sensors & Instrumentation	2	Web
Oct. 15 – 19	Digital Electronics	1	Ch 9 – 11
Oct 22	Test 2		
Oct. 24 – Nov. 2	Power system fundamentals	2	Ch 12 - 14
Nov. 5 – 19	Electrical Machines	2	Ch 15 – 16
Nov. 26 – Dec. 3	Programmable Logic Controllers	1	Ch 17

The final exam will be Monday, December 10, from 7:30 – 9:30 AM in BELL 282. (Sorry about that. You know I don't set the schedule.)