

## EE/C SC 2552-002 Circuits Laboratory

University of Colorado at Denver and Health Sciences Center  
College of Engineering and Applied Science

Term: Fall 2009

Course dates/times: August 18 – December 8, Tuesdays,  
7:00pm – 9:50pm

Course location: NC2408

Office Hours: Monday and Wednesday, 5:30 – 6:30pm

Professor : Duane Swigert

Office location: NC 2404C

email address: swigerdu@mscd.edu

### Course Design

*Catalogue Description:* E E 2552-1. Sophomore Circuits Laboratory. Conduct experiments in circuit measurement using oscilloscopes, power supplies, and function generators. Verify basic circuitry, basic circuit theorems such as Ohm's Law, Kirchoff's Law, and Thevenin's theorem and Norton's theorem. Learn by experiments: impedance functions, transfer functions, resonance, Fourier series and analog filters. Prereq: E E 1510, 2132 and 2531; prereq/coreq: E E 2142.

### Requirements

*Required Texts:* Laboratory Manual for class will be distributed to students in class.

*Recommended Texts:* None

*Additional, Materials, Equipment:* Provided in classroom

### Assessment Design

#### Grades:

Your course grade will be determined in the following manner:

8 labs (counted at 11.25% each)	90%
Class Participation,	<u>10%</u>
	100%

Grades are as follows:

- A – “Superior/Excellent”, 90 – 100%
- B – “Good/Better than Average”, 80 – 89%
- C – “Competent/Average”, 70 – 79%
- D – “Minimum Passing”, 60 – 69%
- F – “Failing”

### Lab Policy

Labs are generally due on the following Tuesday. I expect to see only one lab report from each lab group. I will only accept labs late by one week, however, I will drop the grade by one level. If you cannot get things in on time due to some problem (sickness, death in family, etc.) let me know as soon as possible and we can make a change.

### **Course Schedule**

This is an *Approximate* schedule that is subject to change.

<b>August</b>	Labs
18 Tuesday	Intro. 1
25 Tuesday	1
<b>September</b>	
1 Tuesday	2
8 Tuesday	
15 Tuesday	3
22 Tuesday	
29 Tuesday	4
<b>October</b>	
6 Tuesday	
13 Tuesday	5
20 Tuesday	6
27 Tuesday	
<b>November</b>	
3 Tuesday	7
10 Tuesday	
17 Tuesday	8
24 Tuesday – Fall Break	
<b>December</b>	
1 Tuesday	
7 - 11 December	Finals

### **Course Communication**

- Office hours: Monday and Wednesday, 5:30pm to 6:30pm, room NC 2404C
- E-mail: swigerdu@mscd.edu

### **Students called for military duty**

- “If you are a student in the military with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact your school/college