

**EE 2552-001 Sophomore Circuits Laboratory
Fall 2009**

University of Colorado at Denver
College of Engineering and Applied Science

Course dates/times: F 11:00 am – 1:50 pm

Course location: NC2408

Instructor: Kelly Campbell

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Phone: 303-981-2803

Office: NC 2404C

Office Hours: M 3:00 – 4:00 pm, W noon – 1:00 pm.

Course Catalogue Description:

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 Laws, and Thevenin's Theorem. Learn by experiments: impedance functions, transfer functions, resonance, Fourier series and analog filters.

Prereq. or Coreq. EE/CSC 2142 Circuit Analysis II.

Requirements: Laboratory manual and hardware will be provided.

Assessment: Grades will be based on experiment reports and laboratory participation. Each group will submit a report, meaning every group member will receive the grade on the report. Late reports will be accepted no later than one week past due, after which reports will not be accepted.

- 50% **Experiment Reports:** Each report should conform to the format outlined in the laboratory manual and should contain all preliminary calculations, simulation plots and schematics, and raw data collected during the experiment.

- 50% **Laboratory Participation:** Each member of the group must actively participate in experiment design, hardware implementation, test equipment operation, and data collection. **Every experiment must be demonstrated in order to be completed.**

Attendance:

Attendance will be taken. Prior notification of an absence must be given. In an emergency, notification is made by email or phone no later than the day of the experiment.

Course Schedule

Aug. 21,	Locker assignment, Experiment 1
Aug. 28,	Experiment 1
Sep. 4,	Experiment 2, report 1 due
Sep. 11,	Experiment 3, report 2 due
Sep. 18,	Experiment 4, report 3 due
Sep 25,	Experiment 4
Oct 2,	Experiment 5, report 4 due
Oct. 9,	Experiment 5
Oct. 16,	Experiment 6, report 5 due
Oct. 23,	Experiment 6
Oct. 30,	Experiment 7, report 6 due
Nov. 6,	Experiment 7
Nov. 13,	Experiment 8, report 7 due
Nov. 20,	Experiment 8
Nov. 27,	Fall break, no lab
Dec. 4,	Experiment 8
Dec. 11,	Finals week, report 8 due

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 Paul Rakowski in the Dean’s office.