

Syllabus EET K106, Electric Circuits & Systems Lab

Spring 2010
Three Rivers Community College

John Forella, Instructor
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Office Hours: By appointment

Text: Boylestad, Introductory Circuit Analysis, Eleventh Edition

Course Description: This lab course will supplement the course Electric Circuits & Systems. Students will apply the concepts learned in the classroom and gain practical hands-on experience making electrical measurements using a variety of test instruments.

Lab schedule

Week			
1.	1/25	Lab 1	Math Review
2.	1/1	Lab 2	Introduction to Electrical Measurement
3.	2/8	Lab 3	Resistors and Resistance Measurement
4.	2/22	Lab 4	Ohm's Law
5.	3/1	Lab 5	Series Circuit
6.	3/15	Lab 6	Kirchoff's Voltage Law and the Voltage Divider
7.	3/22	Lab 7	Kirchoff's Current Law and the Current Divider
8.	3/29	Lab 8	Series – Parallel Network
9.	4/5	Lab 9	Oscilloscope Measurements & Techniques
10.	4/12	Lab 10	Measurement of AC Sine-Wave Voltages
11.	4/19	Lab 11	Capacitors in DC Circuits
12.	4/26	Lab 12	Inductors in DC Circuits
13.	5/3	Lab 13	Measurement of Reactance
14.	5/10	Lab 14	Make-up

Method of Evaluation

Grading will be based on a combination of work performed in the laboratory and the lab reports with the following percentages:

50% Lab Preparation, Performance and Attendance 50% Lab Reports

Lab Reports

Students may work in pairs or alone. However, each student must submit a lab report. Lab reports must be written in accordance with the **Lab Report Guidelines** provided by the instructor. Lab reports are due on the week following the lab activity. Reports submitted after that time will be considered late and a reduction in grade will be applied. The grade reduction will increase as the number of late weeks increases.

College Withdrawal Policy

Students may withdraw, in writing or verbally at the Registrar's Office for any reason until the end of the 10th week of classes. From the 11th week through the end of the 13th week, a student may withdraw with the instructor's written approval.

Disabilities Statement

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Services at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor.